

EXHIBIT 01
of Complaint

UNITED STATES DISTRICT COURT
DISTRICT OF ARIZONA

Daniel David Rigmaiden,
Plaintiff,

v.

(1) Federal Bureau of Investigation, (2) Executive
Office for United States Attorneys, (3) Office of
Information Policy, and (4) Department of Justice,

Defendants.

FREEDOM OF INFORMATION ACT REQUEST

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group;

BY: Daniel David Rigmaiden

TO: Federal Bureau of Investigation

October 10, 2011

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[Certified Mail Return Receipt Article #: 7007 0710 0004 3772 8555]

Daniel Rigmaiden
Agency #10966111
CCA-CADC
PO Box 6300
Florence, AZ 85132

Chief of Record/Information Dissemination Section (FOIA Request)
Records Management Division
Federal Bureau of Investigation
Department of Justice
935 Pennsylvania Ave., N.W.
Washington, DC 20525-001

Attention:

I. REQUEST FOR INFORMATION

This letter constitutes a request under the Freedom of Information Act ("FOIA"), 5 U.S.C. § 552 *et seq.* and the Department of Justice implementing regulations, 28 C.F.R. § 16.1 *et seq.* I am seeking the following four categories of records:

1. All agency records concerning the following portable/transportable wireless device locators (*i.e.*, devices used to locate cell phones, *etc.*) and related equipment manufactured and/or branded and/or sold by Harris Wireless Products Group (Harris Corporation):

- (1) StingRay
- (2) StingRay II
- (3) AmberJack
- (4) KingFish
- (5) TriggerFish
- (6) LoggerHead
- (7) Handheld Direction Finding Antenna
- (8) StingRay CDMA Software

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- (9) KingFish CDMA Software
- (10) Geolocation (software)
- (11) Tarpon (software)
- (12) RealSite (software)

* See attached various Harris product pictures, datasheets, and price lists.

2. All agency records detailing the FBI's policies, practices, and procedures to destroy real-time wireless device location data obtained by the Harris portable/transportable wireless device locators and related equipment (listed in No. 1 above) or obtained by other portable/transportable wireless device locators. The requested records should pertain to FBI agents/personnel destroying real-time location data after the data has been used to further an investigation or to facilitate an arrest.

3. All agency records detailing the FBI's policies, practices, and procedures to conceal from defendants and their attorneys in criminal cases the fact that the FBI used the Harris portable/transportable wireless device locators and related equipment (listed in No. 1 above), or other portable/transportable wireless device locators, to gather evidence during related criminal investigations.

4. All agency records constituting user manuals, operations manuals, and training manuals for the Harris portable/transportable wireless device locators and related equipment (listed in No. 1 above).

Government use of the devices listed in No. 1 above is discussed in court documents filed under United States v. Daniel David Rigmaiden, CR08-814-PHX-DGC, District of Arizona. See the following documents filed under CR08-814-PHX-DGC: (1) *Response To Government's Memorandum Regarding Law Enforcement Privilege And Request For An Ex Parte And In Camera Hearing If Necessary* (Dkt. #536); (2) *Request For Judicial Notice Of Facts Relevant To The Issue Of Governmental Privileges* (Dkt. #501); (3) *First Submission Of Redacted And Summarized Documents For Requested In Camera Inspection*; (Dkt. #588); (4) *First Submission Of Consolidated Exhibits Relating To Discovery And Suppression Issues* (Dkt. #587); and (5) *Motion For Disclosure Of All Relevant And Helpful Evidence Withheld By The Government Based On A Claim Of Privilege* (Dkt. #592).

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I request that the applicable records include, but not be limited to, the following:

- (1) electronically stored information
- (2) emails
- (3) email attachments
- (4) letters
- (5) correspondence
- (6) memorandums
- (7) documents
- (8) reports
- (9) statements
- (10) audits
- (11) purchase receipts
- (12) invoices
- (13) word processing documents
- (14) spreadsheets
- (15) graphics and presentation documents
- (16) images
- (17) text files
- (18) instant messages
- (19) audio files
- (20) video files
- (21) voice mail
- (22) internet data
- (23) log files
- (24) blogs
- (25) calendar files
- (26) text messages
- (27) records of radio transmissions
- (28) FBI corporate policy directives
- (29) data dictionary files^[1]
- (30) metadata^[2]

1. Data dictionaries are repositories of metadata, or information about data, such as its meaning, relationships to other data, origin, usage and format.

2. Nat'l Day Laborer Org. Network v. United States Immigration & Customs Enforcement Agency, 2011 U.S. Dist.

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- (31) system metadata^[3]
- (32) substantive metadata^[4]
- (33) embedded metadata^[5]

I request that the storage devices/systems to be searched include, but not be limited to, the following:

- (1) workstation computers
- (2) server computers
- (3) backup systems
- (4) legacy systems
- (5) databases
- (6) hard drives
- (7) tape drives
- (8) zip disks and other disks
- (9) CDs, DVDs, Blu-ray discs, *etc.*
- (10) cartridges
- (11) magneto-optical disks
- (12) calendar systems
- (13) voice mail systems
- (14) text messaging systems
- (15) intranet systems
- (16) internet systems

LEXIS 11655, 10 Civ. 3488 (SAS) (S.D.N.Y., Feb. 7, 2011) (“[M]etadata is ‘readily reproducible’ in the FOIA context.”).

3. System metadata is data automatically generated by a computer system when a native file is created, modified, transmitted, deleted or otherwise manipulated by a user of such system. This data is not part of the native file and resides as part of the computer system with a reference to the native file.

4. Substantive metadata is data generated by the application accessing the native file such as the data reflecting the date/time the file was created or modified and data reflecting changes made to the document by the user. This data is part of the native file and is viewable from the application used to create or modify the native file.

5. Embedded metadata is text, numbers, content, data, or other information that is directly or indirectly inputted into a native file by a user and which is not typically visible to the user viewing the output display of the native file on screen or as a print-out. Examples of embedded metadata include, but are not limited to, spreadsheet formulas (which display as the results of the formula operation), hidden columns, externally or internally linked files (*e.g.*, sound files in Powerpoint presentation), references to external files and content (*e.g.*, hyperlinks to HTML files or URLs), references and fields (*e.g.*, the field codes for an auto-numbered document), and certain database information if the data is part of a database (*e.g.*, a date field in a database will display as a formatted date, but its actual value is typically a long integer).

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- (17) personal digital assistants
- (18) cell phones and other cellular devices including Blackberry devices
- (19) Blackberry Enterprise Servers maintained by the FBI at its Clarksburg, West Virginia, facility and other facilities
- (20) FBI Enterprise Security Operations Center (ESOC) classified analytical network
- (21) home computers belonging to agents/personnel (**to the extent, if any, they are used for FBI business purposes**)

Electronic keyword searches should be conducted at all FBI field offices, at the FBI Engineering Research Facility, and at all other FBI offices and data centers. The FBI should conduct keyword searches on the file types listed above including, but not limited to, archived emails and archived text messages. Files belonging to all FBI agents/employees and contractors should be searched including, but not limited to, Technical Agents, Technically Trained Agents, Wireless Intercept and Tracking Team (or similar) members, Law Enforcement Online members, and FBI Dedicated Contractor Support Personnel. Considering the relevant Harris products have uncommon "aquatic" names, keyword searches should include words that are variations of the relevant Harris product names (e.g., "sting ray," "amber jack," "logger head," *etc.*) and a keyword search should be conducted on the word "Harris" standing alone so that the results may be checked for responsive material.

II. FORM OF DOCUMENTS REQUESTED

I request that all digital documents be provided in their original native form with metadata preserved. Additionally, if redactions are required, they should be done on the original digital documents using a digital redaction process (e.g., using Appligent Redax TM, RapidRedact TM, Adobe Acrobat TM X Pro, *etc.*) and provided in their native digitally redacted form. I request that the native form digital documents (e.g., emails, *etc.*) that are redacted by a computerized redaction process be provided "as is" and that they not be printed to hard copy and then rescanned to create an artificial digital form of the documents. I make the above requests pursuant to 5 U.S.C. § 552(a)(3)(B) ("In making any record available to a person under this paragraph, an agency shall provide the record in any form or format requested by the person if the record is readily reproducible by the agency in that form or format.").

I request that all responsive records be organized in an intelligible manner and referenced or indexed so that they are capable of being read and understood by one possessing average skills, intellect, and training. If the responsive records are codified such that they

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cannot be readily understood, I request that I be provided with all required decoding documents necessary to provide a clear and intelligible understanding of the contents and meaning of the responsive records.

III. REQUEST FOR WAIVER OF ALL COSTS OR REDUCED COSTS

I am requesting a waiver of all costs pursuant to 5 U.S.C. 552(a)(4)(A)(iii) ("Documents shall be furnished without any charge or at a charge reduced below the fees established under clause (ii) if disclosure of the information is in the public interest because it is likely to contribute significantly to public understanding of the operations or activities of the government and is not primarily in the commercial interest of the requester."). Disclosure of the requested records will help members of the public understand the privacy risks of carrying cell phones and other wireless devices. The requested records concern the direct operations and activities of the government with respect to surreptitiously locating cell phones and other wireless devices using Harris brand portable/transportable wireless device locators and related equipment.

On September 22, 2011, The Wall Street Journal published an article titled "'Stingray' Phone Tracker Fuels Constitutional Clash"⁶ wherein the government's use of portable/transportable wireless device locators was clearly and sufficiently identified. The identifiable government actions reported in The Wall Street Journal article and in the evidence I placed on the record in CR08-814-PHX-DGC weigh in favor of granting me a fee waiver for this FOIA request. See 28 C.F.R. § 16.11(k)(2)(i) (To determine whether the first fee waiver requirement is met, "[t]he subject of the requested records must concern identifiable operations or activities of the federal government, with a connection that is direct and clear, not remote or attenuated."). There is additional support for granting a fee waiver considering I have the ability and intention to effectively convey the responsive information to the public. See 28 C.F.R. § 16.11(k)(2)(iii) (When determining whether the requested records will contribute to an understanding of the subject by the public, "[a] requester's expertise in the subject area and ability and intention to effectively convey information to the public shall be considered."). The information I obtain through this FOIA request will be placed on the public record in CR08-

6. See Valentino-DeVries, Jennifer, 'Stingray' Phone Tracker Fuels Constitutional Clash, The Wall Street Journal, p. A1 (Sept. 22, 2011) available at <http://online.wsj.com/article/SB10001424053111904194604576583112723197574.html> (last accessed: September 22, 2011) ("Associate Deputy Attorney General James A. Baker and FBI General Counsel Valerie E. Caproni both said at a panel at the Brookings Institution in May that devices like these fall into a category of tools called 'pen registers,' which require a lesser order than a warrant.").

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814-PHX-DGC and I will also forward the information to Jennifer Valentino-DeVries, the reporter who wrote the article about StingRay type devices for The Wall Street Journal. *See* fn. 6, *supra*. The noted Wall Street Journal article specifically reported on my efforts to prove that the government violates the Fourth Amendment when it uses portable/transportable wireless device locators to locate wireless devices within home residences without a proper warrant. Finally, the records requested are not sought for a commercial purpose^[7] and I plan to disseminate the responsive material to the public at no cost. *See* 28 C.F.R. § 16.11(k)(3)(i) and (ii) (To determine whether the fee waiver requirement is met, the disclosure should not be primarily in the commercial interest of the requester.).

IV. REQUEST FOR EXPEDITED PROCESSING

I am requesting expedited processing of this FOIA request pursuant to 5 U.S.C. 552(a)(6)(E)(i)(I) (Expedited processing is merited “in cases in which the person requesting the records demonstrates a compelling need;”). I have a compelling need for the requested records considering the subject of my request is a matter of widespread and exceptional media interest and the government's integrity is called into question when it tracks and locates wireless devices without proper judicial authority, *i.e.*, a Rule 41 warrant founded on probable cause. *See* 28 C.F.R. § 16.5(d)(1)(iv) (Expedited processing is merited when the request involves “[a] matter of widespread and exceptional media interest in which there exist possible questions about the government's integrity which affect public confidence.”). The media has repeatedly reported on warrantless government cell phone tracking prior to this FOIA request. In 2007, the media reported that “a little-known FBI telephone intercept unit has developed a powerful cellphone tracking technology that agents use to monitor the physical movements of surveillance targets, even on phones that are not GPS equipped.”^[8] In 2008, the media reported that the government can track cell phones on its own using a TriggerFish and that it “raises the risk that they will do so without bothering to go to a court for permission first, since they no longer need to compel the provider to cooperate.”^[9] In 2010, the media reported that a senior

7. *See Judicial Watch, Inc., v. Rossotti*, 326 F.3d 1309, 1312 (D.C. Cir. 2003) (“We are also mindful that Congress amended FOIA to ensure that it is liberally construed in favor of waivers for noncommercial requesters.” (internal quotation marks and citation omitted)).

8. Singel, Ryan (Wired), *FBI E-Mail Shows Rift Over Warrantless Phone Record Grabs* (Dec. 20, 2007), available at http://www.wired.com/print/politics/onlinerights/news/2007/12/fbi_cell (last accessed Sep. 22, 2010).

9. Myers, Rachel (ACLU), *With Technology Like This, Who Needs the Law? >> Blog of Rights: Official Blog of the American Civil Liberties Union*, “With Technology Like This, Who Needs The Law?” (Nov. 14, 2008), <http://www.aclu.org/2008/11/14/with-technology-like-this-who-needs-the-law> (last accessed Aug. 16, 2011).

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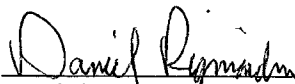
attorney in the criminal division of the Justice Department claimed that "[t]he government is not required to use a warrant" when it uses surveillance equipment to locate cell phones.^[10] In 2011, the media reported on government use of StingRay type devices and on me challenging use of those devices without proper judicial authority. *See* fn. 6, *supra*. The above quoted/cited news stories are all framed to call into question the government's integrity when it tracks and locates cell phones and other wireless devices without proper warrants founded on probable cause.

* * * * *

I expect a determination of this request for expedited processing within 10 calendar days and a determination of this request for documents within 20 calendar days. *See* 28 CFR § 16.5(d)(4); 5 U.S.C. § 552(a)(6)(A)(i). If this request is denied in whole or in part, I request that all deletions be justified by reference to specific exemptions to FOIA. I request the release of all segregable portions of otherwise exempt material. I reserve the right to appeal a decision to withhold any information, to deny a waiver of fees, or to expedited processing.

I certify as true and correct to the best of my knowledge and belief that I have a compelling need for expedited processing and that the requested records are not for commercial purposes. Thank-you for your prompt attention to this matter. Please furnish all responsive records to the address below.

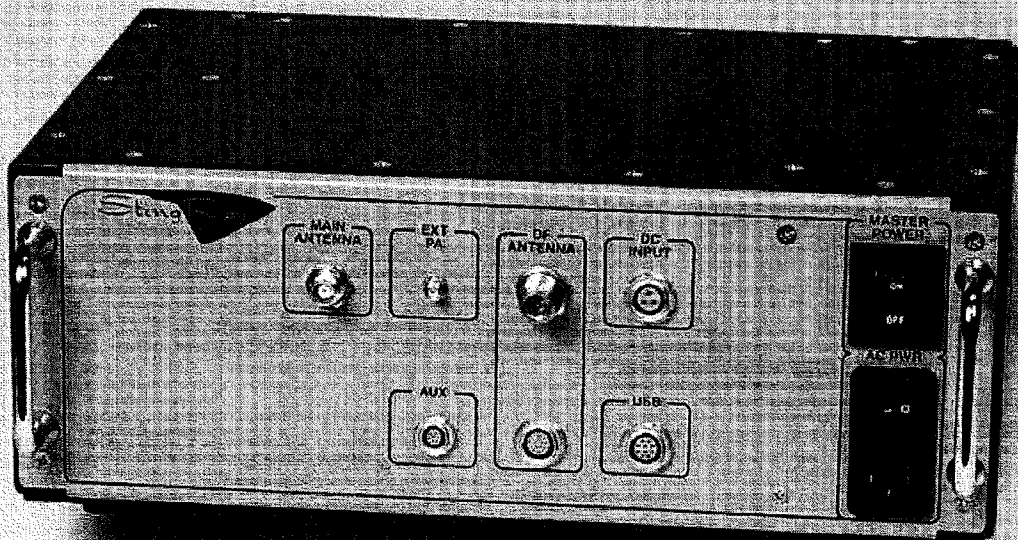
Daniel David Rigmaiden



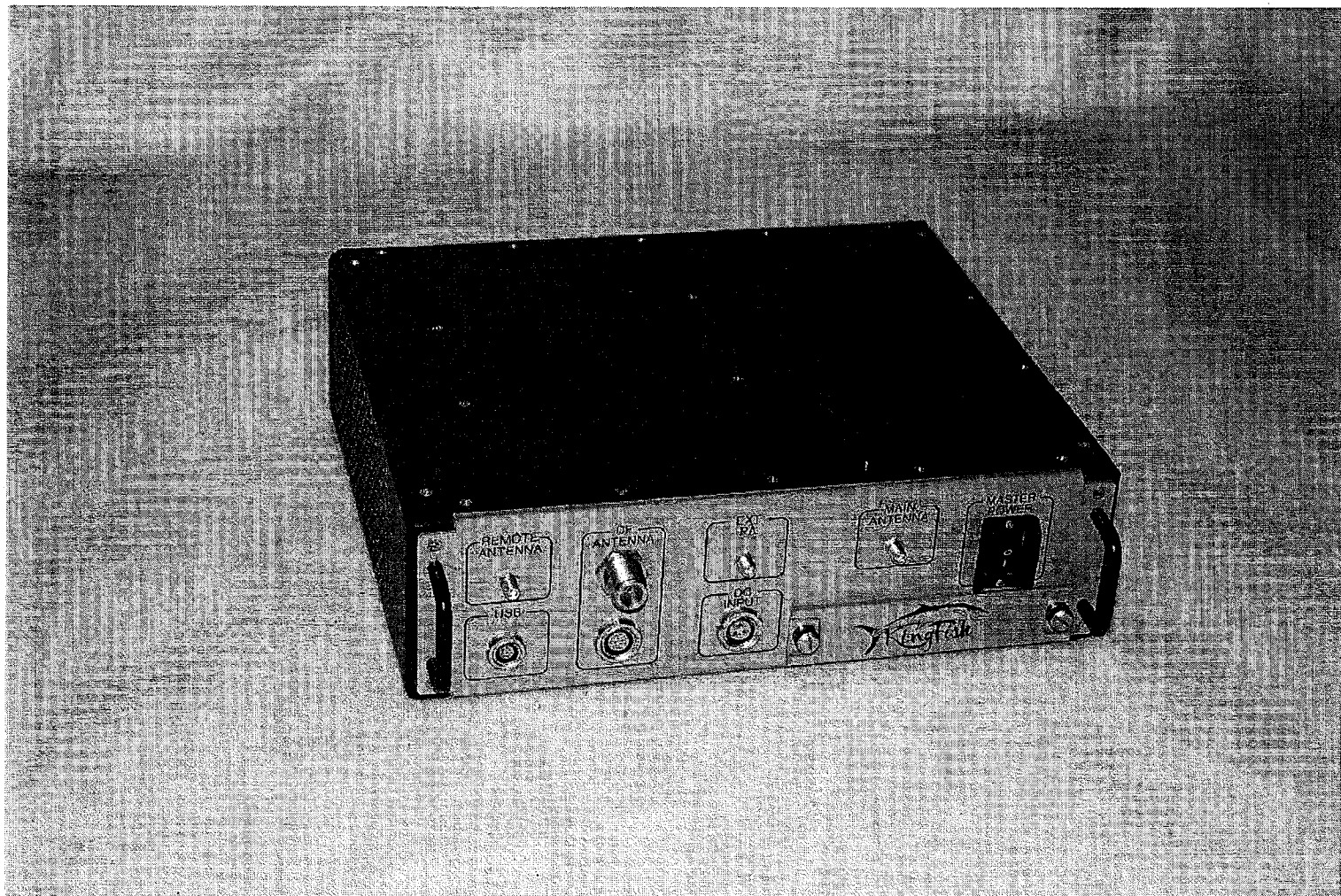
Daniel Rigmaiden
Agency #10966111
CCA-CADC
PO Box 6300
Florence, AZ 85132

10. McCullagh, Declan (CNET News), *Justice Dept. defends warrantless cell phone tracking* (Feb. 13, 2010), available at http://news.cnet.com/8301-13578_3-10453214-38.html (last accessed Apr. 8, 2010).

ATTACHMENT









HARRIS

WIRELESS
products group

StingRay™

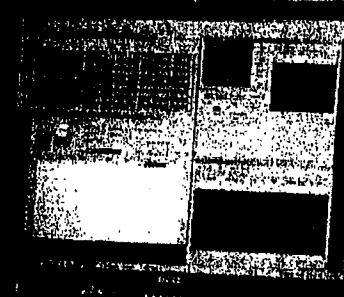
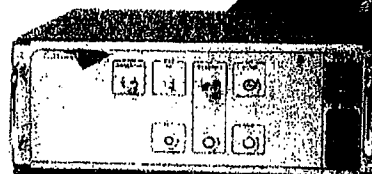
*Transportable CDMA
Interrogation, Tracking
and Location, and
Signal Information
Collection System*

Product Description

StingRay™ is Harris' latest offering in a long line of advanced wireless surveillance products. StingRay is a multichannel software defined radio that performs network base station surveys, Dialed Number and registration collection, mobile interrogation, and target tracking and location with Harris' Amber-Jack™ Direction-Finding Antenna. This low-power transportable surveillance system is designed with the future in mind—its reconfigurable architecture lends itself to upgrades of new capabilities and wireless standards, while preserving the initial investment in hardware.

Features

- Software Defined Radio (SDR) enables simultaneous monitoring of up to eight CDMA Paging/Access channel pairs
- Active interrogation capability emulates base station to collect MINs and ESNs through forced registration; external PA output available for higher power requirements
- Interfaces with AmberJack antenna to form a complete target tracking and location solution using active direction-finding and ranging techniques (active approach does not require the target phone to be engaged in a call)
- Optional geolocation software overlays target tracks and tracking vehicle location on a digital map
- Wideband RF front-end provides simultaneous operation in the U.S. cellular 800 and PCS 1900 MHz bands and is preconfigured to support iDEN (low band), GSM 900, and DCS 1800 bands
- PC-based controller running Windows® XP provides an intuitive Graphical User Interface (GUI)
- Industry-standard USB interface enables plug-n-play networking of multiple StingRay surveillance systems if the user requires more channel capacity
- Supports targeting and real-time searching of mobile identification numbers (MIN), dialed numbers, and electronic serial numbers (ESN)
- Low-power system designed for vehicular operations



next level solutions

JUL-18-2002 11:31

HARRIS and KNIGHT LLP

P.26

HARRIS**StingRay™**

**Transportable CDMA
Interrogation, Tracking
and Location, and
Signal Information
Collection System**

WIRELESS
products group
Product Description

StingRay™ is Harris' latest offering in a long line of advanced wireless surveillance products. StingRay is a multichannel software defined radio that performs network base station surveys, Dialed Number and registration collection, mobile interrogation, and target tracking and location with Harris' Amber-Jack™ Direction-Finding Antenna. This low-power transportable surveillance system is designed with the future in mind—its reconfigurable architecture lends itself to upgrades of new capabilities and wireless standards, while preserving the initial investment in hardware.

Features

- Software Defined Radio (SDR) enables simultaneous monitoring of up to [REDACTED] channel pairs
 - Active interrogation capability emulates base station to collect MINs and ESNs through forced registration; external [REDACTED] output available for [REDACTED] requirements
 - Interfaces with AmberJack antenna to form a complete target tracking and location solution using active [REDACTED] and [REDACTED] techniques
- the target phone [REDACTED]

- Optional [REDACTED]
- [REDACTED] RF front-end provides [REDACTED] operation in the U.S. cellular [REDACTED] bands and is [REDACTED] reconfigured to support [REDACTED] bands
- PC-based controller running [REDACTED] provides an intuitive Graphical User Interface (GUI)
- Industry-standard USB interface enables [REDACTED]
- Supports [REDACTED]
- [REDACTED] designed for [REDACTED] operations

next level solutions**EXHIBIT C**

Received from < > at 7/18/02 11:31:01 AM [Eastern Daylight Time]

JUL-18-2002 11:31

HARRIS and KNIGHT LLP

P.27

Wireless Products Group**Standards Currently Supported**

- [REDACTED]

Future Standards Supported

- Software reconfigurable architecture will allow for future software upgrades to support other wireless standards and capabilities

Operating Bands

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

Transmit Capabilities*(For Interrogation and Active Tracking and Location)*

- Up to [REDACTED] dBm output
- Interfaces with an [REDACTED]

Compatible Accessories

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

Interfaces

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- Power [REDACTED]
- [REDACTED]

Physical Characteristics

- Housing: Standard aluminum case
- Wheeled transit case
 - Stows [REDACTED]
 - Conforms to airline carry-on weight and size limits

PC Controller Characteristics

- [REDACTED] operating system
- GUI is easily configured by user for mission scenarios
- Enables field upgrade of system firmware
- Integrated [REDACTED] GUI with optional [REDACTED]

1. Hardware is preconfigured to work in these bands. Future software upgrades will provide operation in these bands—consult Harris Wireless Products Group for availability.

Specifications are subject to change without notice.

StingRay and AmberJack are trademarks of Harris Corporation.

Windows XP is a registered trademark of Microsoft Corporation.

This product is a restricted use item and can be sold only to authorized law enforcement and government agencies. Its use shall comply with all local, state and federal statutes associated with the intercept and monitoring of oral communications. Harris Corporation assumes no liability for any misuse or improper use of the product and makes no representation as to its suitability for any specific application.

DISTRIBUTION WARNING

This brochure may be provided only to persons eligible under 18 USC 2512 (Government law enforcement agencies or communications service providers).

This brochure may only be given to U.S. citizens, permanent residents of the U.S. (green card holders), or Canadians eligible under 22 CFR 126.3.

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Government Communications Systems Division | P.O. Box 37 | Melbourne, FL USA 32902-0037
1-800-358-5297 or wp@harris.com | www.harris.com

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WIRELESS
products group

AmberJack™

**Dual-Band Direction
Finding System**

Product Description

AmberJack™ is a phased array direction finding (DF) antenna system capable of tracking and locating mobile phone users. The DF antenna array is designed to operate with Harris' Loggerhead™ and StingRay™ products enabling tracking and location of AMPS, TDMA and CDMA phones. AmberJack operates in both the cellular and PCS bands.

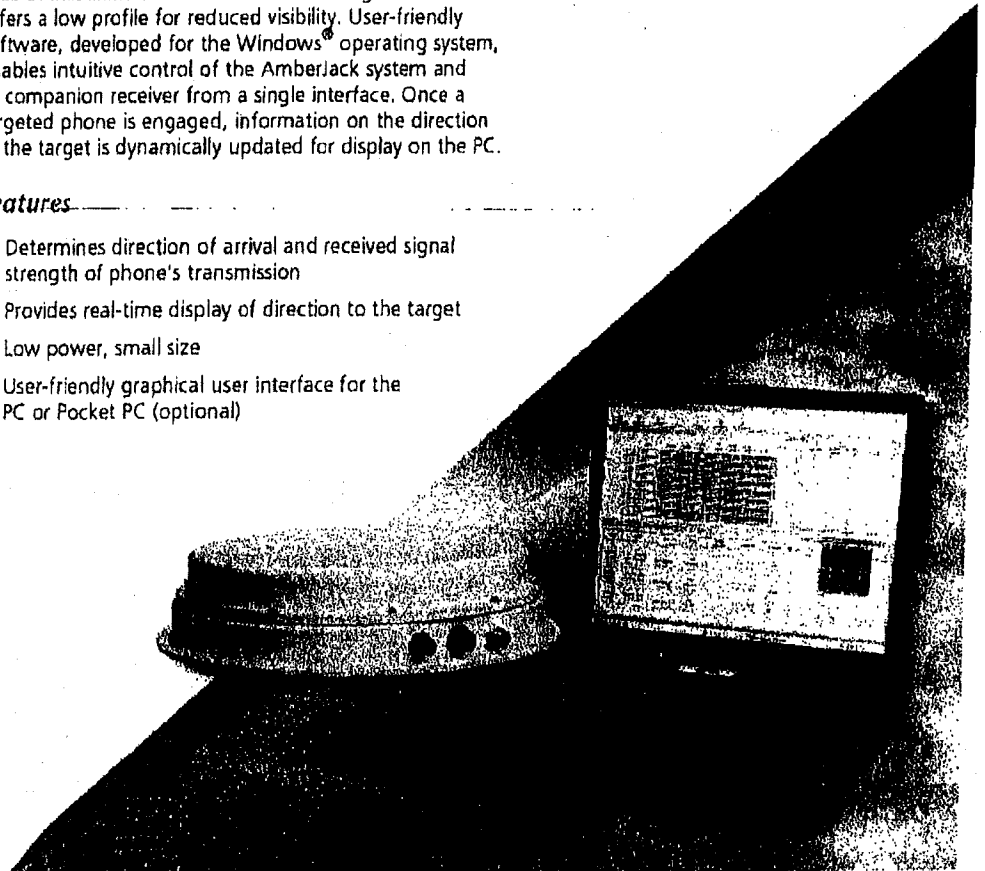
AmberJack combines Harris' expertise in phased array antenna technology and tracking and locating systems to offer a state-of-the-art direction finding system. Beam forming technology offers a universal DF antenna for existing as well as future cellular standards.

The DF antenna array incorporates magnetic mounts for ease of installation to the roof of a tracking vehicle and offers a low profile for reduced visibility. User-friendly software, developed for the Windows® operating system, enables intuitive control of the AmberJack system and its companion receiver from a single interface. Once a targeted phone is engaged, information on the direction to the target is dynamically updated for display on the PC.

Features

- Determines direction of arrival and received signal strength of phone's transmission
- Provides real-time display of direction to the target
- Low power, small size
- User-friendly graphical user interface for the PC or Pocket PC (optional)

next level solutions





Wireless Products Group

AmberJack®

Direction-Finding System

Product Description

AmberJack® is a phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations. The DF antenna array is designed to operate with Harris' Gossamer®, KingFish®, StingRay®, and StingRay II® products, enabling tracking and location of targeted mobile phones, as well as base stations. AmberJack-X operates in the U.S. cellular 850 and PCS 1900 bands, and AmberJack-G operates in the EGSM 900 and DCS 1800 bands. AmberJack-W operates in all the bands above as well as iDEN™ and UMTS bands I and IV.

AmberJack combines Harris' expertise in phased array antenna technology and

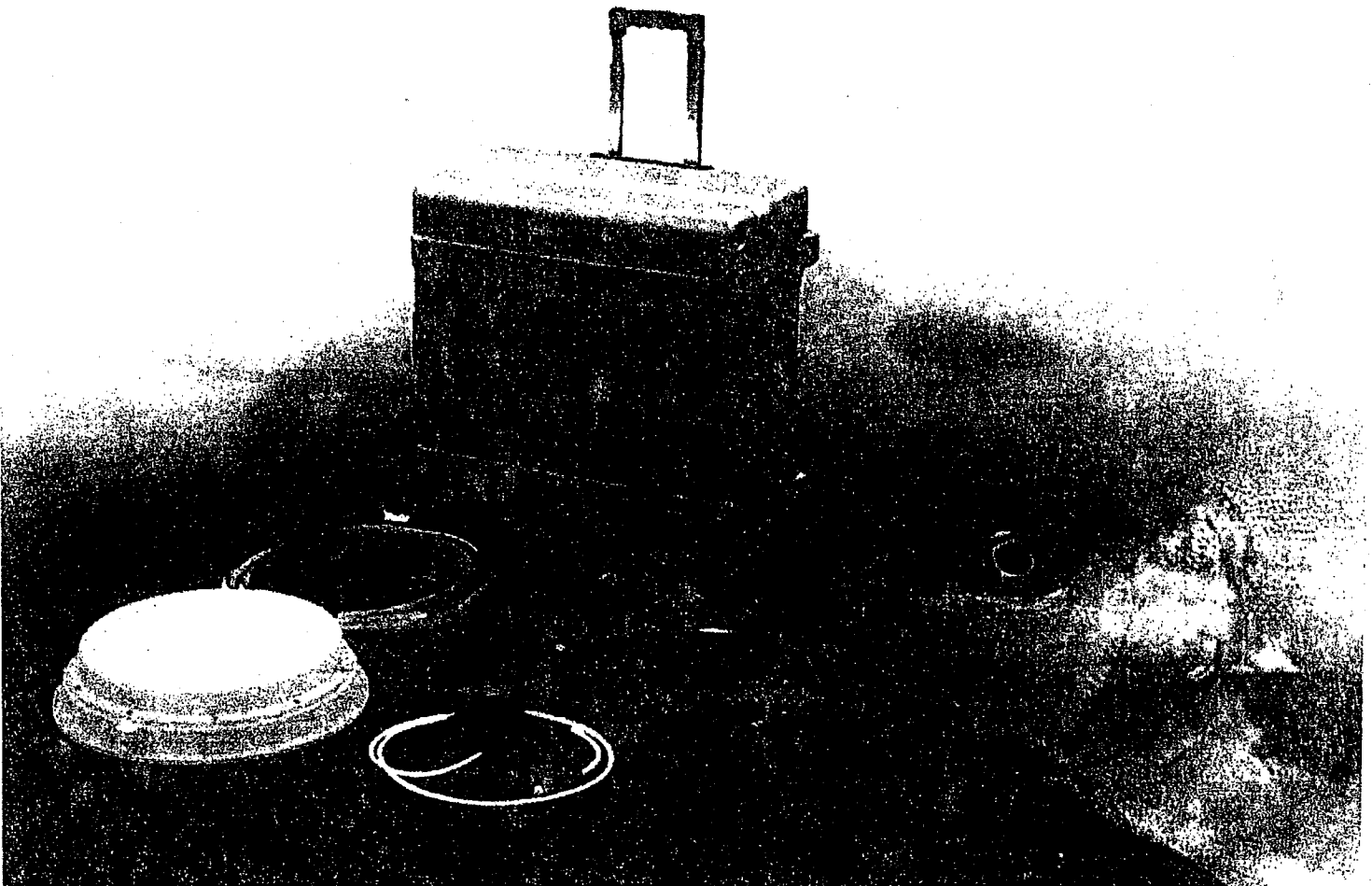
tracking and locating systems to offer a state-of-the-art direction-finding system. Phased array technology offers a universal DF antenna for existing, as well as future cellular standards.

The DF antenna array incorporates magnetic mounts for ease of installation on the roof of a tracking vehicle and offers a low profile for reduced visibility. User-friendly software, developed for the Windows® operating system, enables intuitive control of the AmberJack system and its companion receiver from a single interface. Once a target is engaged, information on the direction to the target is dynamically updated for display on the PC.



Operations Supported

- Locating mobile phones and base stations
- Tracking mobile phones



AmberJack®

Direction-Finding System



Features

- Determines direction of arrival and received signal strength of a targeted mobile phone's transmission
- Determines direction of arrival and received signal strength of a targeted base station's transmission
- Provides real-time display of direction to the target
- Low power and portable
- User-friendly Graphical User Interface (GUI) for the PC

Frequency Coverage

- AmberJack-X (U.S. Cellular/PCS 1900)
 - Cellular reverse: 824–849 MHz
 - Cellular forward: 869–894 MHz
 - PCS reverse: 1850–1910 MHz
 - PCS forward: 1930–1990 MHz
- AmberJack-G (EGSM 900/DCS 1800)
 - EGSM reverse: 880–915 MHz
 - EGSM forward: 925–960 MHz
 - DCS reverse: 1710–1785 MHz
 - DCS forward: 1805–1880 MHz

■ AmberJack-W (Wideband)

- iDEN reverse: 806–825 MHz
- iDEN forward: 851–870 MHz
- Cellular reverse: 824–849 MHz
- Cellular forward: 869–894 MHz
- PCS reverse: 1850–1910 MHz
- PCS forward: 1930–1990 MHz
- EGSM reverse: 880–915 MHz
- EGSM forward: 925–960 MHz
- DCS reverse: 1710–1785 MHz
- DCS forward: 1805–1880 MHz
- UMTS IV reverse: 1710–1755 MHz
- UMTS IV forward: 2110–2155 MHz
- UMTS I reverse: 1920–1980 MHz
- UMTS I forward: 2110–2170 MHz

External Control

- Laptop PC (Windows® XP Professional)

Power source

- 12 Vdc at 0.5 A

Physical Characteristics

- Size: D = 17", H = 4.2"
- Weight: <14 lbs

Required Accessories (sold separately)

Gossamer with PC Controller, StingRay system, StingRay II, or KingFish with PC Controller

Optional Accessories

Harpoon™ for DF range extension

Catalog Part Number

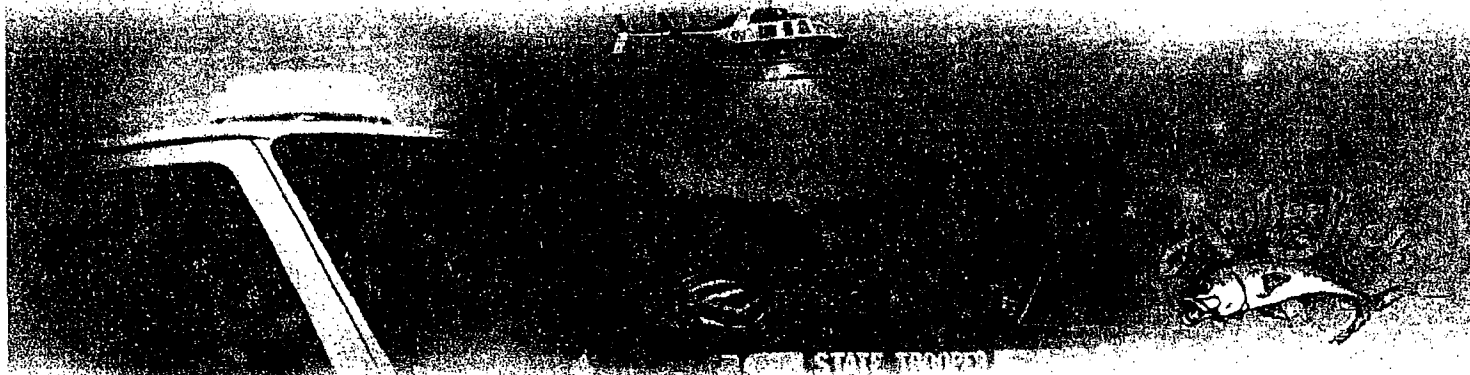
- AJ-X (AmberJack-X)
- AJ-G (AmberJack-G)
- AJ-W (AmberJack-W)

Authorized Federal Supply Service Information Technology Schedule

- SIN: 132-8 Purchase of Equipment
- SIN: 132-12 Maintenance, Repair Services and Repair Parts/Spare Parts

GSA Contract Number: GS-35F-0293J

General Services Administration Federal Supply Service products and ordering information in this Authorized FSS Information Technology Schedule Pricelist are also available on the GSA Advantage! System. Agencies can browse GSA Advantage! by accessing the GSA's home page via the Internet at www.gsa.gov.



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HARRIS

WIRELESS
products group

KingFish™
(Preliminary)

Portable
CDMA Interrogation,
Direction-Finding, and
Collection System

Product Description

KingFish™ provides investigators with a tool that extracts the telephone number (MIN) and Electronic Serial Number (ESN) from a CDMA mobile telephone. The Active Direction-Finding (DF) capability enables location of a powered-on phone without depending on the suspect to be involved on a call. Additionally, KingFish provides passive Dialed Number Recorder (DNR) and Registration Collection capabilities. Passive operations identify calling patterns and provide information on the suspect's area of operation.

KingFish is based on a Software Defined Radio (SDR) architecture, which enables upgrades to future cellular standards, while preserving the initial investment in hardware. As initially offered, KingFish provides CDMA operation in both the Cellular and PCS bands.

Features

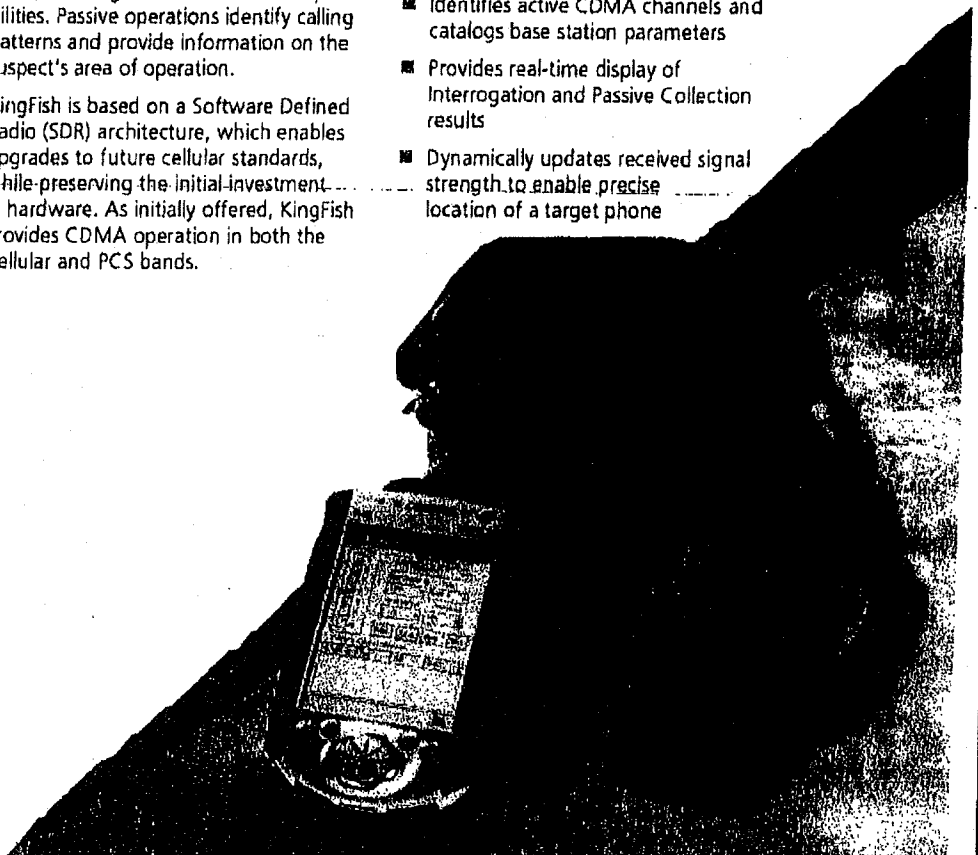
Covert Packaging

- Concealed radio, antennas, and battery power supply
- Wireless remote control from commercially available Pocket PC

Intuitive Application Software

- Windows® interface
- Identifies active CDMA channels and catalogs base station parameters
- Provides real-time display of Interrogation and Passive Collection results
- Dynamically updates received signal strength to enable precise location of a target phone

next level solutions





Geolocation (Preliminary)

***PC-Based Intelligent
AMPS/TDMA and CDMA
Tracking and Location***

Product Description

Geolocation is a PC-based software application that allows the user to intelligently track and locate targeted AMPS/TDMA or CDMA cellular phones in the 800 and 900 MHz bands. Geolocation consists of software and an external GPS receiver. Geolocation will be offered in two options: an AMPS/TDMA Option to be used in conjunction with the Harris LoggerHead™ Interrogator plus the PC Controller™ and the AmberJack™ DF Antenna; and a CDMA Option to be used in conjunction with the Harris StingRay™ system plus the AmberJack™ DF Antenna.

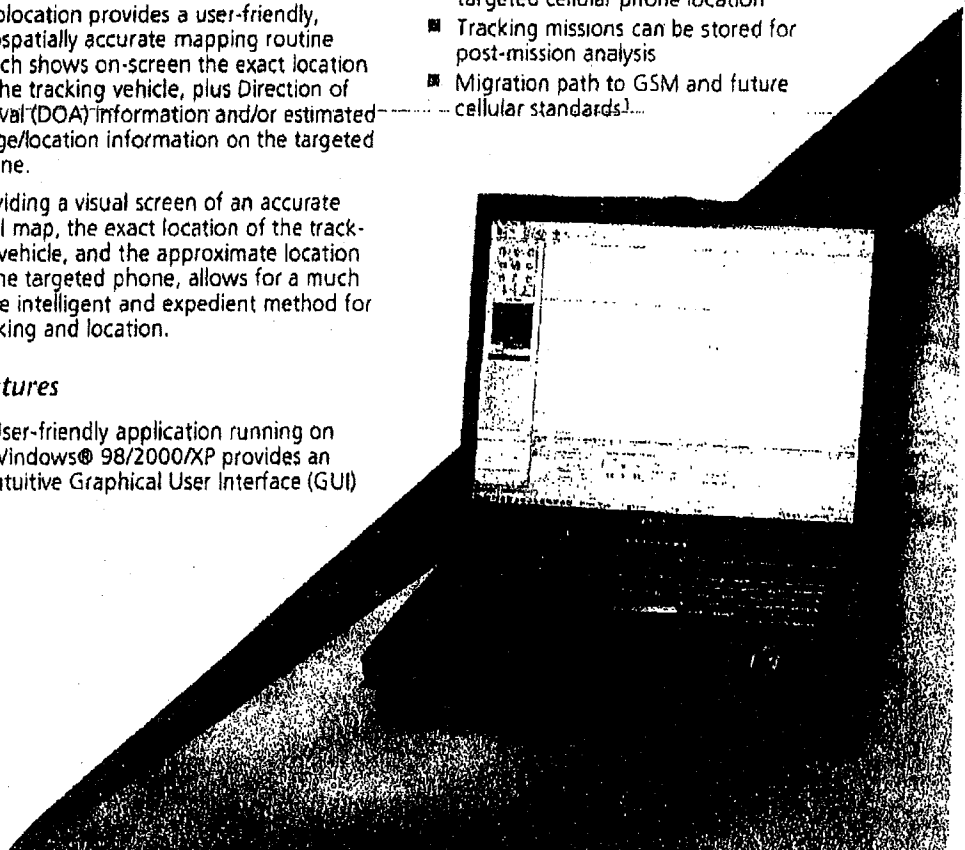
Geolocation provides a user-friendly, geospatially accurate mapping routine which shows on-screen the exact location of the tracking vehicle, plus Direction of Arrival (DOA) information and/or estimated range/location information on the targeted phone.

Providing a visual screen of an accurate local map, the exact location of the tracking vehicle, and the approximate location of the targeted phone, allows for a much more intelligent and expedient method for tracking and location.

Features

- User-friendly application running on Windows® 98/2000/XP provides an intuitive Graphical User Interface (GUI)

- AMPS/TDMA: Interfaces with the LoggerHead™ Handheld Interrogator plus the PC Controller™ and the AmberJack™ Direction-Finding (DF) Antenna
- CDMA: Interfaces with the StingRay™ plus the AmberJack™ Direction-Finding (DF) Antenna
- Provided GPS receiver integrates with PC running the application
- Real-time viewing of tracking vehicle location
- Real-time viewing of approximate targeted cellular phone location
- Tracking missions can be stored for post-mission analysis
- Migration path to GSM and future cellular standards





Wireless Products Group

Harpoon™

Software-Controlled, High-Power Filtered Amplifier

Product Description

Harpoon™ is a software-controlled, high-power filtered amplifier that maximizes the multichannel transmit capability of the StingRay II® and significantly improves the performance of the single-channel StingRay® and KingFish® systems by providing high-gain, wide dynamic range, and excellent linearity along with 30 watts of filtered output power. System status indication alerts the user during fault conditions including problems with the RF connections.

■ Four Versions Available

- Harpoon 850/1900 (Dual Band)
- Harpoon 900/1800 (Dual Band)
- Harpoon 2100 (Single Band)
- Harpoon i800 (Single Band)

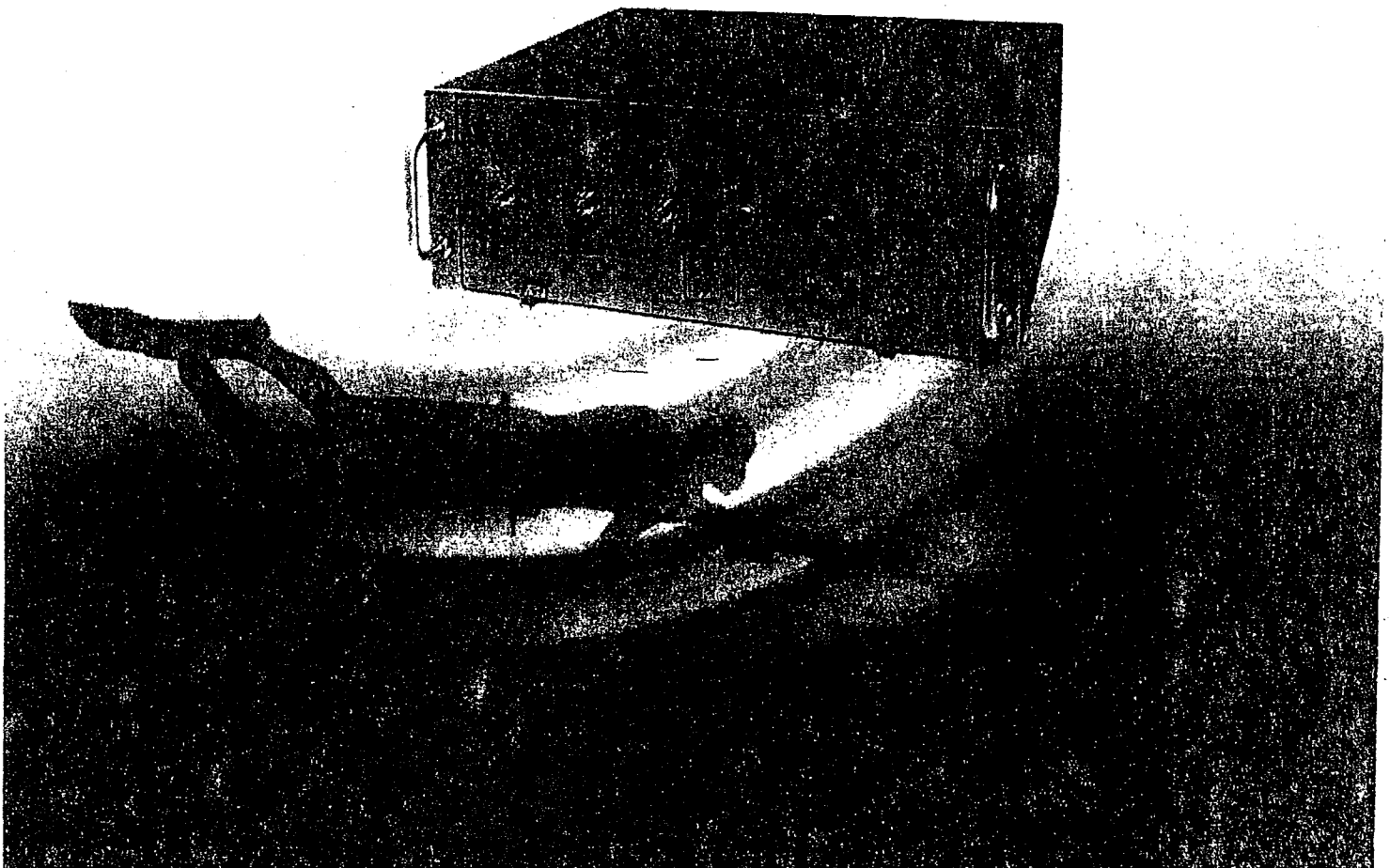
Features

- Automatic Level Control
 - Maximizes total output power up to 30 W per band
 - Maintains constant output power
 - Improves power level accuracy
- Filtered Output
 - Improves transmit signal quality
 - Improves receiver sensitivity



Operations Supported

- Maximizes the multichannel transmit capability of the StingRay II
- Significantly improves the performance of the single-channel StingRay and KingFish systems



Harpoon™

Software-Controlled, High-Power Filtered Amplifier



Standards Supported

- GSM
- CDMA2000*
- iDEN
- UMTS

Frequency Coverage

- 850/1900: 869–894 MHz/1930–1990 MHz
- 900/1800: 925–960 MHz/1805–1880 MHz
- iDEN 800: 851–870 MHz
- 2100: 2110–2170 MHz

Physical Characteristics

- Dual Band
 - Size: 10.5" x 14.75" x 5"
 - Weight: 24 lbs
- Single Band
 - Size: 10.5" x 10.5" x 5"
 - Weight: 15 lbs

Power Specifications

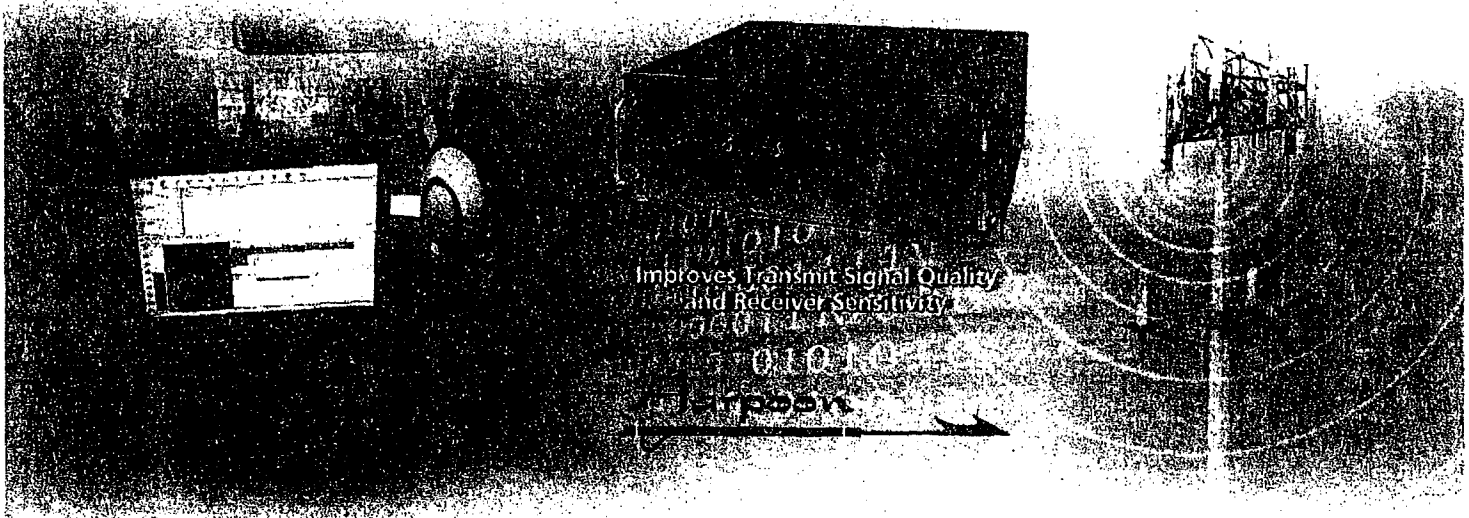
- Input: 10–33 Vdc
- Power Consumption
 - Dual Band: 440 W max
 - Single Band: 280 W max

Optional Accessories

- Diplexer for dual-band operation with StingRay and KingFish

Catalog Part Number

- Harpoon 850/1900
- Harpoon 900/1800
- Harpoon i800
- Harpoon 2100



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UMTS IV Converter

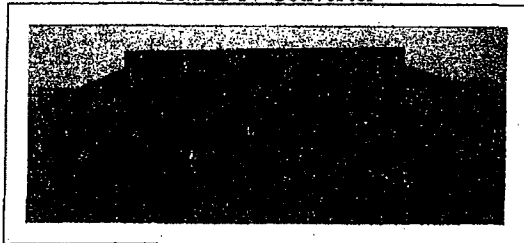
Overview

UMTS IV Converter is a high performance Frequency Converter that enables the StingRay® or KingFish® to operate in the CONUS UMTS IV (2100 MHz DL, 1700MHz UL) band. Its high stability and extremely low phase noise performance enables stand-alone-capability; which allows the StingRay/KingFish and Converter to operate with independent references. Its excellent channel-pair rejection enables operation with high-power PAs.

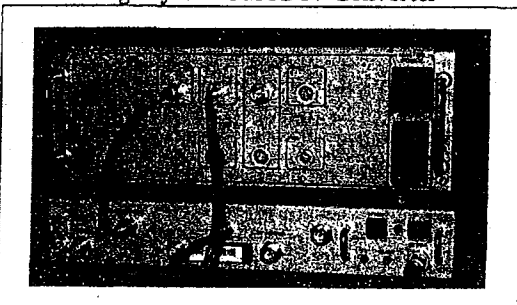
UMTS IV Converter enables the StingRay/KingFish to transmit on the UMTS IV downlink band and to receive on both the uplink and downlink bands. It automatically shuts down the downlink receive path during transmit mode, improving system isolation and reducing power consumption.

Active gain compensation guarantees constant gain over temperature, frequency, aging, and other environmental effects during transmit mode and guarantees constant gain over temperature during receive mode.

UMTS IV Converter



StingRay and UMTS IV Converter



assuredcommunications®

Features

Transmit

- TX conversion from 1842.5 to 2140 MHz
- 60 MHz low ripple bandwidth
- Circuitry turns off during receive only mode
- Active gain compensation over temp and freq
- Active TX LED status indicator

Receive

- RX 1 conversion from 2140 to 1842.5 MHz
- RX 2 conversion bypass
- RX 1 circuitry turns off during transmit mode
- 11dB gain is temperature compensated
- Attenuators are activated from the front panel

Local Oscillators

- 0.5° Integrated Phase Noise (100Hz – 1MHz)
- 0.2ppb over temperature, ±25ppb/year aging
- LED status indicator

Mechanical Housing

- Rugged welded metal case
- Formed lid for convenient transceiver mounting
- Front panel connectors, controls, and indicators

Accessories included:

- Transit Case
- AC/DC converter
- DC/DC converter for vehicular operation
- RF cables for StingRay/KingFish connections
- RF cable for PA connection
- Brackets for KingFish installation

HARRIS PROPRIETARY INFORMATION

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WPG Product Pricing

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Version S&L 2010

Product Description		Part #	Domestic Pricing		GSA Pricing	
			1 - 15	16+	1 - 15	16+
StingRay						
StingRay	STINGRAY		75,100	71,300	68,479	
StingRay GSM Software	SRAY-GSM-SW		22,000	20,900		
StingRay CDMA Software	SRAY-CDMA-SW		22,000	20,900		
StingRay IDEN Software	SRAY-IDEN-SW		22,000	20,900		
StingRay 2100 MHz B1 Down Converter w/ By Pass (OCONUS)	CONV-2100/1900-WBP		19,800	18,800	18,054	
StingRay 2100 MHz B4 Down Converter w/ By Pass (CONUS)	CONV-2100/1700-WBP		19,800	18,800	18,054	
StingRay Accessories						
StingRay Replacement Kit	SR-REPLACEMENT KIT		500			
Cable Assembly PC/USB - 6' Cable	3092524-102		198			
Cable Assembly PC/USB - 12' Cable	3092524-103		220			
Cable DC Power	3092525-101		171			
StingRay Carrying Case	RE1017HA		925			
115V Power Cord	17250		8			
Laptop PC Controller (Dell Latitude)	2009523-101		3,500			
Panasonic Toughbook Computer	2009525-101		6,500			
Adapter, DC (Laptop) (non- Charging)	DE2035-803		228			
Mouse, CMPTR (Micro Trac)	2009523-003		50			
Auto Power Adapter (8500 & D600)	2009523-002		128			
Mobile Mast 20'	OSMM-SA-20		2,990			
12' Extension Cable (TNC to N)	PE3665-144		80			
12' Extension Cable (TNC to TNC)	PE3414-144		85			
N-F to TNC-F Adapter	PE9131		48			
TNC-F to TNC-F Adapter	PE9099		28			
N-M to TNC-F Adapter	PE9090		30			
N-F to TNC-M Adapter	PE9089		28			
Directional Antenna, Yagi (GSM) Pole Mount	Y2287A-86		100			
SDR Radio Slice	3092527-201		15,000			
DC-DC Power Supply Module (SR & KF)	3092577-101		1,400			
Duplex Filter (AMPS/PCS) Stand Alone	WSA-00045		1,970			
Duplex Filter (EGSM/DCS) Stand Alone	WSA-00100		2,310			
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101		125			
15' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15		60			
StingRay II						
StingRay II	STINGRAY II		148,000	140,600	134,952	
StingRay II Upgrade	STINGRAY II-UP		71,300	67,700	65,014	
StingRay II GSM Software	SRAY-II-GSM-SW		22,000	20,900		
StingRay II CDMA Software	SRAY-II-CDMA-SW		22,000	20,900		
StingRay II IDEN Software	SRAY-II-IDEN-SW		22,000	20,900		
StingRay II Accessories						
Cable Assembly PC/USB - 6' Cable	3092524-102		198			
Cable Assembly PC/USB - 12' Cable	3092524-103		220			
Laptop PC Controller (Dell Latitude)	2009523-101		3,500			
Adapter, DC (Laptop) (non- Charging)	DE2035-803		226			
Panasonic Toughbook Computer	2009525-101		6,500			
Mouse, CMPTR (Micro Trac)	2009523-003		50			
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101		125			
15' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15		60			
Quad Band Yagi (Wedge) Including 6ft cable (PE 3076-72)	3118694-201		1,300			
Cable Assembly, RF (SMA-M to RTANGM-M) 6'	PE3076-72		104			
Cable Assembly, RF (SMA-M to RTANGM-M) 12'	PE3076-144		108			
GPS Antenna	ANT-GPS-SH-SMA		50			
AC/DC Converter	ACHA1224-1936		800			
Volt Converter (Universal Plug Kit)	3142757-101		100			
StingRay II Case	RE041908HA		750			
SDR Radio Slice	3092527-201		15,000			

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KingFish				
KingFish	KINGFISH	27,800	26,400	25,349
KingFish N-Connector Upgrade	KF-N-UP	2,800	2,700	
KingFish GSM Software	KF-GSM-SW	18,100	17,200	
KingFish CDMA Software	KF-CDMA-SW	18,100	17,200	
KingFish IDEN Software	KF-IDEN-SW	18,100	17,200	
KingFish Accessories				
Kingfish Replacement Kit	KF-REPLACEMENT KIT	1,078		
Tote Bag Assembly	3100242-101	570		
Carrying Case, KingFish	RE0513HA	950		
Cable Assembly, W102 (PC USB Type A) 6' cable	3092524-102	196		
Cable DC Power	3092525-101	171		
Battery Pack (11.1V)	2014068-101	256		
Lithium-Ion Battery Charger	2014068-102	426		
Battery, Adapter, Lighter (24V, 1.5A)	VA2524	140		
Power Supply (12V, 5A)	ACHA-12501	190		
Quad Band Yagi (Wedge) including 6ft cable (PE 3076-72)	3118694-201	1,300		
Cable Assembly, RF (SMA-M to RTANGM-M) 6'	PE3076-72	104		
Cable Assembly, RF (SMA-M to RTANGM-M) 12'	PE3076-144	108		
Antenna Device, Wave, PCS/Cell (Green)	2014620-001	22		
Antenna Device, Wave, GSM (Orange)	2014620-002	22		
Antenna, ¼ Wave (2.4 GHz) (Bluetooth)	2014628-001	18		
Backpack Carrying Case Custom (Blue)	3100242-103	450		
Backpack Carrying Case Custom (Army Digi-Camo)	3100242-104	450		
Quad Band Mag Mount Antenex Antenna (SMA)	3174173-102	125		
AmberJack				
AmberJack G	AJ-G	24,300	23,100	22,158
AmberJack X	AJ-X	24,300	23,100	22,158
AmberJack W	AJ-W	38,400	36,500	35,015
AmberJack Legacy to W Upgrade	AJL-W-UP	19,750	18,800	18,009
AmberJack X & G to W Upgrade	AJXG-W-UP	21,650	20,600	19,741
AmberJack Accessories				
Cable Assembly, DBDF Antenna, Loggerhead (12')	3088596-101	650		
Cable Assembly, DBDF Antenna, LH/Gossamer (12') (To be used in place of the	3120038-101	650		
Carrying Case	RE0512HA-2	890		
Cable Assembly, 3-Way Splitter	DC15A-3J1	170		
Eyebolt, Swivel	47621	54		
Power Cable Internal	3087877-101	73		
Tool, Eyebolt	47641/94882	15		
Webbing Assembly, 12ft.	8834T535	35		
Radome Assembly	3087882-101	1,800		
Cable Assembly, DBDF Antenna, SlingRay (12') - (old PN: 3099547-101) Three	KCII/1660	800		
Cable Assembly, (35')	KCII/1672-1	1,200		
Cable Assembly, DBDF Antenna, SlingRay (25')	KCII/1672	975		
Cable Assembly, DBDF Antenna, SlingRay (5 meters or 16' 4") - (old PN:	KCII/1684	825		
Cable Assembly, DBDF Antenna, SlingRay (50') - (old PN: 3099547-102)	KCII/1696	1,300		
CASE, CARRYING, AMBERJACK-W	RE022608HA	1,020		
4 Watt PA Kit				
Power Amp Kit	PA-KIT	3,500	3,300	
4 Watt PA Kit Accessories				
Power Amp	SM0520-36HH	2,150		
Carrying Case	RE0602HA	700		
Adapter Cable - SMA Male to SMA Male (12")	PE3377-12	58		
3 Way DC Splitter	DC15A-3J1	170		
DC Power Cable	CBLO-00390	100		
Right Angle SMA Coax Adapter	PE9068	32		
Mounting Plate	3102393-101	52		
Adapter Cable - SMA Male to SMA Male (72")	PE3377-72	60		
Quad Band Mag Mount Antenex Antenna (SMA)	3174173-102	125		

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10 Watt PA Kit				
Power Amp Kit - 10 Watt	PA-KIT-10W	4,500	4,300	
10 Watt PA Kit Accessories				
Amplifier 10Watt	SM0822-3906	2,390		
Carrying Case	RE0118HA	700		
Adapter Cable - SMA / TNC (18") w/ Attenuator	3147080-101	108		
3 Way DC Splitter	DC15A-3J1	170		
Adapter Cable - SMA / TNC (72") w/ Attenuator	3147080-102	110		
DC Power Cable for 10-Watt PA	180-8045-66	62		
AC to DC Power Supply for 10 Watt PA	ACHA1270-1465	218		
AC to DC Power Supply for 10 Watt PA - 25 feet	CBLMS-F00416	120		
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101	125		
15' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15	60		
Attenuator, FXD; 5DB (SMA to SMA)	BW-S5W2	60		
25 Watt PA Kits				
High Power Filtered 25W PA Kit - (800/850/1900/2100 B4)	PA-KIT-25W CONUS	11,500	10,900	10,486
High Power Filtered 25W PA Kit - (900/1800/2100 B1)	PA-KIT-25W OCONUS	11,500	10,900	10,486
25 Watt PA Kit Accessories				
High Power antenna	VBC-822-M-1	800		
DC Power Cable (CLA)	3092525-101	120		
AC/DC Power Converter	ACHA1224-2651	1,000		
DC / DC Power Cable	CBLIO-00640	200		
RF Cable	920-10027-012	250		
Carry Case	RE052809HA	900		
30 Watt PA Kits - Harpoons				
High Power Filtered 30W PA Kit- Single Band IDEN 800	PA-KIT-30W IDEN 800	16,400	15,600	14,954
High Power Filtered 30W PA Kit- Single Band 2100	PA-KIT-30W 2100	18,560	17,800	16,915
High Power Filtered 30W PA Kit- Dual Band 850/1900	PA-KIT-30W Dual-Band CONUS	20,200	19,200	18,419
High Power Filtered 30W PA Kit- Dual Band 900/1800	PA-KIT-30W Dual-Band OCONUS	20,200	19,200	18,419
30 Watt PA Kits - Harpoons Accessories				
Harpoon AC/DC Converter	ACHA2816-2597	1,200		
USB Cable Assembly	3092524-102	196		
USB to AUX Cable Assembly (Beige)	3181099-101	210		
RF Cable Assembly (Blue)	920-10027-012	210		
Harpoon Mounting Tray Assembly	3182503-101	700		
Antenna: 806-2200 MHZ Magnetic Mount	VBC-822-M-1	800		
Coax Adapter, SMA Male to TNC Female	PE9078	60		
Aux to Primary (Harpoon to SR) Cable Assy	3186799-101	210		
Aux to Primary (Harpoon to SR II) Cable Assy	3186800-101	180		
OCTOPUS				
Tactical Power Kit	OCTOPUS	20,000	19,000	18,237
OCTOPUS Accessories				
Directional Antenna, Quad Band w/Handle - *Requires P/N PE3377-72 & PE9070	SWAN80183G1W3V3	740		
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101	125		
15' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15	60		
Quad Band Mag Mount Antenex Antenna (SMA)	3174173-102	125		
Antenna: 806-2200MHZ Magnetic Mount	VBC-822-M-1	800		
Directional Antenna, Yagi (Cell)	3084617-101	300		
Directional Antenna, Yagi (DCS/PCS)	3084618-101	300		
Directional Antenna, Yagi (GSM)	3084619-101	300		
Directional Antenna, Quad Band w/Handle w/ Attenuator - Requires P/N PE3377-	3120062-101	1,100		
Directional Antenna, Yagi (DCS/PCS) - Pole Mount	Y421812	100		
Directional Antenna, Yagi (GSM) Pole Mount	Y2287A-66	100		
Quad Band Yagi (Wedge) 6ft Cable included (PE3662-72)	3118694-101	1,300		

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Converters			
StingRay 2100 MHz B1 Down Converter w/ By Pass (OCONUS)	CONV-2100/1900-W/BP	19,800	18,800
StingRay 2100 MHz B4 Down Converter w/ By Pass (CONUS)	CONV-2100/1700-W/BP	19,800	18,800
Converter Accessories			
HA1225-1937	Adapter	210	
Controller Descriptions			
Laptop PC	2009523	3,500	
Toughbook PC	2009525	6,500	
Rugged Mini-PC	2014069	5,500	
Optional Antenna			
Directional Antenna, Quad Band w/Handle - *Requires P/N PE3377-72 & PE9070		SWAN80183G1W3V3	740
Quad Band Mag Mount Antenex Antenna (TNC)		3174173-101	125
15' TNC-M to TNC-F Extension Cable		CA-400JF-TMTF-15	60
Quad Band Mag Mount Antenex Antenna (SMA)		3174173-102	125
Antenna; 806-2200MHZ Magnetic Mount		VBC-822-M-1	800
Directional Antenna, Yagi (Cell)		3084617-101	300
Directional Antenna, Yagi (DCS/PCS)		3084618-101	300
Directional Antenna, Yagi (GSM)		3084619-101	300
Directional Antenna, Quad Band w/Handle w/ Attenuator - Requires P/N PE3377-		3120062-101	1,100
Directional Antenna, Yagi (DCS/PCS) - Pole Mount		Y421812	100
Directional Antenna, Yagi (GSM) Pole Mount		Y2287A-66	100
Quad Band Yagi (Wedge) 6ft Cable Included (PE3662-72)		3118694-101	1,300
Repairs			
Repair for all WPG products not covered by warranty. Charges are \$85.00/hr plus REPAIR		TBD	
Maintenance Descriptions	Part #	Domestic & Int'l	GSA
Maintenance 4W PA Kit	MT-4W	500	
Maintenance 10W PA Kit	MT-10W	500	
Maintenance 25W PA Kit CONUS	MT-25WC	1,500	1,436
Maintenance 25W PA Kit OCONUS	MT-25WO	1,500	1,436
Maintenance AmberJack X	MT-AJX	3,000	2,872
Maintenance AmberJack G	MT-AJG	3,000	2,872
Maintenance AmberJack W	MT-AJW	5,000	4,786
Maintenance Converter Band 1 OCONUS w/ BP	MT-CONV1O	2,700	2,584
Maintenance Converter Band 4 CONUS w/ BP	MT-CONV4C	2,700	2,584
Maintenance Harpoon 2100	MT-HARP21	2,000	1,914
Maintenance Harpoon CONUS	MT-HARPC	2,000	1,914
Maintenance Harpoon IDEN	MT-HARPI	2,000	1,914
Maintenance Harpoon OCONUS	MT-HARPO	2,000	1,914
Maintenance KingFish	MT-KF	4,000	3,829
Maintenance Octopus	MT-OCT	2,700	2,584
Maintenance StingRay	MT-SR	11,000	10,529
Maintenance StingRay I	MT-SRII	22,000	21,058
Training Descriptions	Part #	Per Description	
Training - Melbourne	TRAIN-MLB	4,000	
Training - Melbourne 1-Day Course	TRAIN-MLB-1	2,500	
Training - Florida	TRAIN-FL	4,300	
Training - East Coast	TRAIN-EC	6,000	
Training - East Coast 1-Day Course	TRAIN-EC-1	3,750	
Training - West Coast	TRAIN-WC	9,000	
Training - West Coast 1-Day Course	TRAIN-WC-1	6,000	

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WPG Contact Information:

Michael Dillon

Federal, State and Local Law Enforcement
(571) 246-7450
michael.dillon@harris.com

Rich Roosa

DoD, SOCOM, International, Federal Intelligence
Ph: (321) 309-7430
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Susan McCreery

Sales/Support
321-309-7459 (Office)
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321-409-6975 (fax)
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susan.mccreery@harris.com



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HARRIS GCSD
PRICE LIST
Effective September 2008
All price quotes are in USD (\$)

This price list supersedes all previous price lists. Prices and products are subject to change without notice. Products are subject to discontinuation without notice.

HARRIS Wireless Products Group
PO Box 9800
Melbourne, Florida 32902
1-800-FLB-LAWS (1-800-358-5297) Fax: 321-309-7437

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AmberJack			
MODEL NUMBER	DESCRIPTION	PRICE	
		1 to 15 Units	16+ Units
AJ-G	The AmberJack-G DF Antenna is a phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations Forward and Reverse in the GSM 900 and 1800 MHz Bands.*	\$ 24,300	\$ 23,100
AJ-X	The AmberJack-X DF Antenna is a phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations Forward and Reverse in the GSM 800 and 1900 MHz Bands.*	\$ 24,300	\$ 23,100
AJ-W	The AmberJack-W DF Antenna is a wideband phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations Forward and Reverse in the frequency bands from 800MHz to 2100 MHz*	\$ 38,400	\$ 36,500
AJ-GUP	AmberJack-G DF Antenna Upgrade. Upgrades the legacy AJ-DF antenna to the AJ-G antenna.	\$ 13,000	\$ 12,400
AJ-XUP	AmberJack-X DF Antenna Upgrade. Upgrades the legacy AJ-DF antenna to the AJ-X antenna.	\$ 9,000	\$ 8,600
AJ-WUP	AmberJack-W DF Antenna Upgrade. Upgrades the legacy AJ-DF antenna, AJ-X or AJ-G antenna to the AJ-W antenna.	\$ 18,000	\$ 17,100
* Requires PC Controller Software for Gossamer Operations.			
Amber Jack Accessories		PRICE	
3088596-101	Cable Assembly, DBDF Antenna, Loggerhead (12')	\$	650
3120038-101	Cable Assembly, DBDF Antenna, LH/Gossamer (12') (To be used in place of the 3088596-101 for both LH and Gossamer)	\$	650
KCII/1660	Cable Assembly, DBDF Antenna, StingRay (12') - (old PN: 3099547-101)	\$	800
RE0512HA-2	Carrying Case	\$	890
DC15A-3J1	Cable Assembly, 3-Way Splitter	\$	170
47621	Eyebolt, Swivel	\$	34
3087877-101	Power Cable Internal	\$	73
47641/94882	Tool, Eyebolt	\$	15
8834T561	Webbing Assembly, 12ft.	\$	35
3087882-101	Radome Assembly	\$	1,800
KCII/1672	Cable Assembly, DBDF Antenna, StingRay (25')	\$	975
KCII/1684	Cable Assembly, DBDF Antenna, StingRay (5 meters or 16' 4") - (old PN: 3099547-103)	\$	825
KCII/1696	Cable Assembly, DBDF Antenna, StingRay (50') - (old PN: 3099547-102)	\$	1,000



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StingRay®			
<u>MODEL NUMBER</u>	<u>DESCRIPTION</u>	<u>PRICE</u>	
		<u>1 to 15 Units</u>	<u>16+ Units</u>
STINGRAY	StingRay (4 module) – 1-CH Xmit Interrogation and Direction Finding Transportable Unit.	\$ 75,100	\$ 71,300
SRAY-GSM-SW	StingRay – GSM Software Package	\$ 22,000	\$ 20,900
SRAY-CDMA-SW	StingRay – CDMA Software Package	\$ 22,000	\$ 20,900
SRAY-IDEN-SW	StingRay – iDEN Software Package	\$ 22,000	\$ 20,900
SRAY-UMTS-SW	StingRay – UMTS Software Package	N/C	N/C
SRAY-GSM-SW-INTCP	StingRay -- GSM Intercept Software Package without S/C	\$ 27,400	\$ 26,000
SRAY-GSM-SW-INTCP-SC	StingRay -- GSM Intercept Software Package with S/C (Restricted Sales only Federal Customer)	\$ 50,000	\$ 25,000
UMTS-B1-CONV	StingRay 2100/1900MHz Down Converter	\$ 16,000	\$ 15,200
UMTS-B4-CONV	StingRay 2100/1700MHz Down Converter	\$ 16,000	\$ 15,200
AIRBRN-KIT-CONUS	Airborne DF Kit CONUS	\$ 9,000	\$ 8,550
StingRay			
STINGRAY II	StingRay II – 4-CH Multi-Xmit Interrogation and Direction Finding Transportable Unit.	\$ 148,000	\$ 140,600
STINGRAY II-UP	StingRay II – StingRay to StingRay II Upgrade	\$ 65,000	\$ 61,800
SRAY II-GSM-SW	StingRay – GSM Software Package	\$ 22,000	\$ 20,900
SRAY II-CDMA-SW	StingRay – CDMA Software Package	\$ 22,000	\$ 20,900
SRAY II-IDEN-SW	StingRay – iDEN Software Package	\$ 22,000	\$ 20,900
SRAY II-GSM-SW-INTCP	StingRay -- GSM Intercept Software Package	\$ 27,400	\$ 26,000
SRAY II-GSM-SW-INTCP-SC	StingRay -- GSM Intercept Software Package with S/C (Restricted Sales only Federal Customer)	\$ 50,000	\$ 25,000
SRAY II-UMTS-SW	StingRay – UMTS Software Package	N/C	N/C
<u>StingRay Accessories</u>		<u>PRICE</u>	
3092524-102	Cable Assembly PC/USB - 6' Cable	\$ 196	
3092524-103	Cable Assembly PC/USB - 12' Cable	\$ 220	
3092525-101	Cable DC Power	\$ 171	
RE1017HA	Carrying Case	\$ 925	
17250	115V Power Cord	\$ 8	
2009523-101	Laptop PC Controller (Dell Latitude D630)	\$ 3,500	
2009525-101	Panasonic Toughbook Computer	\$ 6,500	
DE2035-803	Adapter, DC (Laptop) (non- Charging)	\$ 226	
2009523-003	Mouse, CMPTR (Micro Trac)	\$ 50	
2009523-002	Auto Power Adapter (8500 & D600)	\$ 128	
OSMM-SA-20	Mobile Mast 20'	\$ 2,990	
PE3665-144	12' Extension Cable (TNC to N)	\$ 80	
PE3414-144	12' Extension Cable (TNC to TNC)	\$ 85	
PE9131	N-F to TNC-F Adapter	\$ 48	
PE9099	TNC-F to TNC-F Adapter	\$ 28	
PE9090	N-M to TNC-F Adapter	\$ 30	
PE9089	N-F to TNC-M Adapter	\$ 28	



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<i>StingRay Accessories continued...</i>		<u>PRICE</u>
Y2287A-66	Directional Antenna, Yagi (GSM) Pole Mount	\$ 100
FPPA-400	Field Portable Power Adapter (Military Vehicles)	\$ 2,900
FPPS-375	Field Portable Power Source (Battery Pack)	\$ 1,700
FPACPS	Field Portable AC Power Source	\$ 900
3092527-201	SDR Radio Slice	\$ 15,000
3092577-101	DC-DC Power Supply Module (SR & KF)	\$ 1,400
WSA-00045	Duplex Filter (AMPS/PCS) Stand Alone	\$ 1,970
WSA-00100	Duplex Filter (EGSM/DCS) Stand Alone	\$ 2,310
3174173-101	Quad Band Mag Mount Antenex Antenna (TNC)	\$ 125



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KingFish			
MODEL NUMBER	DESCRIPTION	PRICE	
		1 to 15 Units	16+ Units
KINGFISH	KingFish - Man Portable Interrogation and Direction Finding Unit for the CDMA waveform	\$ 27,800	\$ 26,400
KF-GSM-SW	KingFish - GSM Software Package	\$ 18,100	\$ 17,200
KF-CDMA-SW	KingFish - CDMA Software Package	\$ 18,100	\$ 17,200
KF-IDEN-SW	KingFish - iDEN Software Package	\$ 18,100	\$ 17,200
KF-UMTS-SW	KingFish - UMTS Software Package	N/C	N/C
KingFish Accessories		PRICE	
3100242-101	Tote Bag Assembly	\$ 570	
RE0513HA	Carrying Case, KingFish	\$ 950	
3092524-102	Cable Assembly, W102 (PC USB Type A) 6' cable	\$ 190	
3092525-101	Cable DC Power	\$ 171	
2014068-101	Battery Pack (11.1V)	\$ 256	
2014068-102	Lithium-Ion Battery Charger	\$ 426	
VA2524	Battery, Adapter, Lighter (24V, 1.5A)	\$ 140	
ACHA-12501	Power Supply (12V, 5A)	\$ 190	
3118694-201	Quad Band Yagi (Wedge) including 6ft cable (PE 3076-72)	\$ 1,300	
PE3076-72	Cable Assembly, RF (SMA-M to RTANGM-M) 6'	\$ 104	
PE3076-144	Cable Assembly, RF (SMA-M to RTANGM-M) 12'	\$ 108	
2014620-001	Antenna Device, Wave, PCS/Cell (Green)	\$ 22	
2014628-001	Antenna, 1/4 Wave (2.4 GHZ) (Bluetooth)	\$ 18	
2014629-002	Antenna Device, Wave, GSM (Orange)	\$ 22	
3100242-103	Backpack Carrying Case Custom (Blue)	\$ 660	
3100242-104	Backpack Carrying Case Custom (Army Digi-Camo)	\$ 660	
3174173-102	Quad Band Mag Mount Antenex Antenna (SMA)	\$ 125	



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PC Controller		
MODEL NUMBER	DESCRIPTION	PRICE
2009523-101	Laptop PC Controller (Dell Latitude D630)	\$ 3,500
2015651-101	Mini PC Controller (OQO)	\$ 3,200
2014069-101	Rugged Mini PC Controller (GD Go Book)	\$ 4,900
3084625-101	Laptop Computer, Lightweight, Low Power, 12" Screen	\$ 3,000
2009525-101	Panasonic Toughbook Computer	\$ 6,500
PC Controller Accessories		PRICE
3058870-101	Serial Cable	\$ 40
2009523-003	Mouse, CMPTR (Micro Trac)	\$ 50
2009523-002	Auto Power Adapter (8500 & D600)	\$ 128

30-Watt PA Kit		
MODEL NUMBER	DESCRIPTION	PRICE
		1 to 15 Units 16+ Units
PA-KIT-30W iDEN 800	High Powered Filtered 30W PA Kit - Single Band iDEN 800	\$ 14,000 \$ 13,300
PA-KIT-30W 2100	High Powered Filtered 30W PA Kit - Single Band UMTS 2100	\$ 16,000 \$ 15,200
PA-KIT-30W Dual-Band CONUS	High Powered Filtered 30W PA Kit - Dual Band 850/1900	\$ 17,500 \$ 16,600
PA-KIT-30W Dual-Band OCONUS	High Powered Filtered 30W PA Kit - Dual Band 900/1800	\$ 17,500 \$ 16,600
3184472-101	Harpoon Diplexer Kit (Use w/SR I)	\$ 650 \$ 650
	Need Mag Mount Antenna Specified	

UMTS Band Converter		
MODEL NUMBER	DESCRIPTION	PRICE
		1 to 15 Units 16+ Units
CONV-2100/1900	UMTS Band IV - AWS Converter	\$ 16,000 \$ 15,200
CONV-2100/1900	UMTS Band I Converter	\$ 16,000 \$ 15,200

EXHIBIT 02

of Complaint

UNITED STATES DISTRICT COURT

DISTRICT OF ARIZONA

Daniel David Rigmaiden,

Plaintiff,

v.

(1) Federal Bureau of Investigation, (2) Executive
Office for United States Attorneys, (3) Office of
Information Policy, and (4) Department of Justice,

Defendants.

U.S. Postal ServiceTM
CERTIFIED MAILTM RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.

OFFICIAL USE

Postage \$ 208

Certified Fee 285

Return Receipt Fee (Endorsement Required) 230

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Total Postage & Fees \$ 7.23

Postmark Here 500

Sent To Federal Bureau of Investigation

Street, Apt. No., or PO Box No. 935 Pennsylvania Ave., N.W.

City, State, ZIP+4 Washington, DC 20525

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		<p>A. Signature X</p> <p><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to: Chief of Record Section, FOIA Request Records Management Division Federal Bureau of Investigation Department of Justice 935 Pennsylvania Ave., N.W. Washington, DC 20525-001</p>		<p>B. Received by (Printed Name) <u>D.W. JONES / OB</u></p> <p>C. Date of Delivery <u>11/7/2011</u></p>	
		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
		<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
		<p>4. Restricted Delivery? (Extra Fee) <input checked="" type="checkbox"/> Yes</p>	
<p>2. Article Number (Transfer from service label) <u>7007 0710 0004 3772 8555</u></p>			
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>			

EXHIBIT 03
of Complaint

UNITED STATES DISTRICT COURT
DISTRICT OF ARIZONA

Daniel David Rigmaiden,

Plaintiff,

v.

(1) Federal Bureau of Investigation, (2) Executive
Office for United States Attorneys, (3) Office of
Information Policy, and (4) Department of Justice,

Defendants.

FREEDOM OF INFORMATION ACT REQUEST APPEAL

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group; **APPEAL** OF FOIA REQUEST sent via Certified Mail Return Receipt Article #: 7007 0710 0004 3772 8555 (FBI);

BY: Daniel David Rigmaiden

TO: Office of Information Policy (OIP)

February 15, 2011

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[Certified Mail Return Receipt Article #: 7007 0710 0004 3772 8647]

Daniel Rigmaiden
Agency #10966111
CCA-CADC
PO Box 6300
Florence, AZ 85132

Attn: Freedom of Information Appeal
Office of Information Policy (OIP)
United States Department of Justice
1425 New York Ave., NW, Suite 11050
Washington, DC 20530-001

Attention:

This letter constitutes an appeal of a default denial of my request made under the Freedom of Information Act ("FOIA"), 5 U.S.C. § 552 *et seq.* and the Department of Justice implementing regulations, 28 C.F.R. § 16.1 *et seq.*

Via a FOIA request dated October 10, 2011, I requested various records from the Federal Bureau of Investigation (FBI) relating to portable/transportable wireless device locators manufactured by Harris Wireless Products Group. *See Attachment A* (original FOIA request). I sent the FOIA request using USPS certified return receipt delivery, article No. 7007 0710 0004 3772 8555. *See id.* The signature card for the FOIA request was signed "D.W. Jones / OB" and then mailed back to me. *See Attachment B* (return receipt signature card). The signature date is November 7, 2011. *See id.* I have not received any type of response to my FOIA request as required by law. *See* 28 CFR § 16.5(d)(4); 5 U.S.C. § 552(a)(6)(A)(i). I consider the DOJ's actions to be arbitrary and capricious. I am appealing the following:

1. The FBI failing to acknowledge my FOIA request.
2. The FBI failing to grant me a fee waiver.
3. The FBI failing to grant me reduced fees.
4. The FBI failing to provide expedited processing.
5. The FBI failing to provide all requested records.

FREEDOM OF INFORMATION ACT REQUEST APPEAL

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group; **APPEAL** OF FOIA REQUEST sent via Certified Mail Return Receipt
Article #: 7007 0710 0004 3772 8555 (FBI);

BY: Daniel David Rigmaiden

TO: Office of Information Policy (OIP)

February 15, 2011

Page # 2 of 2

In support of my request for a fee waiver, I have attached a supplementary declaration under penalty of perjury establishing that I have no commercial interest in the requested records. See Attachment C (Rigmaiden declaration).

I expect a determination of this appeal within 20 business days. *See* 5 U.S.C. § 552(a)(6)(A)(ii). Thank-you for your prompt attention to this matter. I can be contacted via mail at the address below.

Daniel David Rigmaiden



Daniel Rigmaiden
Agency #10966111
CCA-CADC
PO Box 6300
Florence, AZ 85132

ATTACHMENT A

FREEDOM OF INFORMATION ACT REQUEST

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group;

BY: Daniel David Rigmaiden

TO: Federal Bureau of Investigation

October 10, 2011

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[Certified Mail Return Receipt Article #: 7007 0710 0004 3772 8555]

Daniel Rigmaiden
Agency #10966111
CCA-CADC
PO Box 6300
Florence, AZ 85132

Chief of Record/Information Dissemination Section (FOIA Request)
Records Management Division
Federal Bureau of Investigation
Department of Justice
935 Pennsylvania Ave., N.W.
Washington, DC 20525-001

Attention:

I. REQUEST FOR INFORMATION

This letter constitutes a request under the Freedom of Information Act ("FOIA"), 5 U.S.C. § 552 *et seq.* and the Department of Justice implementing regulations, 28 C.F.R. § 16.1 *et seq.* I am seeking the following four categories of records:

1. All agency records concerning the following portable/transportable wireless device locators (*i.e.*, devices used to locate cell phones, *etc.*) and related equipment manufactured and/or branded and/or sold by Harris Wireless Products Group (Harris Corporation):

- (1) StingRay
- (2) StingRay II
- (3) AmberJack
- (4) KingFish
- (5) TriggerFish
- (6) LoggerHead
- (7) Handheld Direction Finding Antenna
- (8) StingRay CDMA Software

FREEDOM OF INFORMATION ACT REQUEST

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group;

BY: Daniel David Rigmaiden

TO: Federal Bureau of Investigation

October 10, 2011

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- (9) KingFish CDMA Software
- (10) Geolocation (software)
- (11) Tarpon (software)
- (12) RealSite (software)

* See attached various Harris product pictures, datasheets, and price lists.

2. All agency records detailing the FBI's policies, practices, and procedures to destroy real-time wireless device location data obtained by the Harris portable/transportable wireless device locators and related equipment (listed in No. 1 above) or obtained by other portable/transportable wireless device locators. The requested records should pertain to FBI agents/personnel destroying real-time location data after the data has been used to further an investigation or to facilitate an arrest.

3. All agency records detailing the FBI's policies, practices, and procedures to conceal from defendants and their attorneys in criminal cases the fact that the FBI used the Harris portable/transportable wireless device locators and related equipment (listed in No. 1 above), or other portable/transportable wireless device locators, to gather evidence during related criminal investigations.

4. All agency records constituting user manuals, operations manuals, and training manuals for the Harris portable/transportable wireless device locators and related equipment (listed in No. 1 above).

Government use of the devices listed in No. 1 above is discussed in court documents filed under United States v. Daniel David Rigmaiden, CR08-814-PHX-DGC, District of Arizona. See the following documents filed under CR08-814-PHX-DGC: (1) *Response To Government's Memorandum Regarding Law Enforcement Privilege And Request For An Ex Parte And In Camera Hearing If Necessary* (Dkt. #536); (2) *Request For Judicial Notice Of Facts Relevant To The Issue Of Governmental Privileges* (Dkt. #501); (3) *First Submission Of Redacted And Summarized Documents For Requested In Camera Inspection*; (Dkt. #588); (4) *First Submission Of Consolidated Exhibits Relating To Discovery And Suppression Issues* (Dkt. #587); and (5) *Motion For Disclosure Of All Relevant And Helpful Evidence Withheld By The Government Based On A Claim Of Privilege* (Dkt. #592).

FREEDOM OF INFORMATION ACT REQUEST

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group;

BY: Daniel David Rigmaiden

TO: Federal Bureau of Investigation

October 10, 2011

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I request that the applicable records include, but not be limited to, the following:

- (1) electronically stored information
- (2) emails
- (3) email attachments
- (4) letters
- (5) correspondence
- (6) memorandums
- (7) documents
- (8) reports
- (9) statements
- (10) audits
- (11) purchase receipts
- (12) invoices
- (13) word processing documents
- (14) spreadsheets
- (15) graphics and presentation documents
- (16) images
- (17) text files
- (18) instant messages
- (19) audio files
- (20) video files
- (21) voice mail
- (22) internet data
- (23) log files
- (24) blogs
- (25) calendar files
- (26) text messages
- (27) records of radio transmissions
- (28) FBI corporate policy directives
- (29) data dictionary files^[1]
- (30) metadata^[2]

1. Data dictionaries are repositories of metadata, or information about data, such as its meaning, relationships to other data, origin, usage and format.

2. Nat'l Day Laborer Org. Network v. United States Immigration & Customs Enforcement Agency, 2011 U.S. Dist.

FREEDOM OF INFORMATION ACT REQUEST

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group;

BY: Daniel David Rigmaiden

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- (31) system metadata^[3]
- (32) substantive metadata^[4]
- (33) embedded metadata^[5]

I request that the storage devices/systems to be searched include, but not be limited to, the following:

- (1) workstation computers
- (2) server computers
- (3) backup systems
- (4) legacy systems
- (5) databases
- (6) hard drives
- (7) tape drives
- (8) zip disks and other disks
- (9) CDs, DVDs, Blu-ray discs, *etc.*
- (10) cartridges
- (11) magneto-optical disks
- (12) calendar systems
- (13) voice mail systems
- (14) text messaging systems
- (15) intranet systems
- (16) internet systems

LEXIS 11655, 10 Civ. 3488 (SAS) (S.D.N.Y., Feb. 7, 2011) ("[M]etadata is 'readily reproducible' in the FOIA context.").

3. System metadata is data automatically generated by a computer system when a native file is created, modified, transmitted, deleted or otherwise manipulated by a user of such system. This data is not part of the native file and resides as part of the computer system with a reference to the native file.

4. Substantive metadata is data generated by the application accessing the native file such as the data reflecting the date/time the file was created or modified and data reflecting changes made to the document by the user. This data is part of the native file and is viewable from the application used to create or modify the native file.

5. Embedded metadata is text, numbers, content, data, or other information that is directly or indirectly inputted into a native file by a user and which is not typically visible to the user viewing the output display of the native file on screen or as a print-out. Examples of embedded metadata include, but are not limited to, spreadsheet formulas (which display as the results of the formula operation), hidden columns, externally or internally linked files (*e.g.*, sound files in Powerpoint presentation), references to external files and content (*e.g.*, hyperlinks to HTML files or URLs), references and fields (*e.g.*, the field codes for an auto-numbered document), and certain database information if the data is part of a database (*e.g.*, a date field in a database will display as a formatted date, but its actual value is typically a long integer).

FREEDOM OF INFORMATION ACT REQUEST

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group;

BY: Daniel David Rigmaiden

TO: Federal Bureau of Investigation

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- (17) personal digital assistants
- (18) cell phones and other cellular devices including Blackberry devices
- (19) Blackberry Enterprise Servers maintained by the FBI at its Clarksburg, West Virginia, facility and other facilities
- (20) FBI Enterprise Security Operations Center (ESOC) classified analytical network
- (21) home computers belonging to agents/personnel **(to the extent, if any, they are used for FBI business purposes)**

Electronic keyword searches should be conducted at all FBI field offices, at the FBI Engineering Research Facility, and at all other FBI offices and data centers. The FBI should conduct keyword searches on the file types listed above including, but not limited to, archived emails and archived text messages. Files belonging to all FBI agents/employees and contractors should be searched including, but not limited to, Technical Agents, Technically Trained Agents, Wireless Intercept and Tracking Team (or similar) members, Law Enforcement Online members, and FBI Dedicated Contractor Support Personnel. Considering the relevant Harris products have uncommon "aquatic" names, keyword searches should include words that are variations of the relevant Harris product names (e.g., "sting ray," "amber jack," "logger head," *etc.*) and a keyword search should be conducted on the word "Harris" standing alone so that the results may be checked for responsive material.

II. FORM OF DOCUMENTS REQUESTED

I request that all digital documents be provided in their original native form with metadata preserved. Additionally, if redactions are required, they should be done on the original digital documents using a digital redaction process (e.g., using Appligent Redax™, RapidRedact™, Adobe Acrobat™ X Pro, *etc.*) and provided in their native digitally redacted form. I request that the native form digital documents (e.g., emails, *etc.*) that are redacted by a computerized redaction process be provided "as is" and that they not be printed to hard copy and then rescanned to create an artificial digital form of the documents. I make the above requests pursuant to 5 U.S.C. § 552(a)(3)(B) ("In making any record available to a person under this paragraph, an agency shall provide the record in any form or format requested by the person if the record is readily reproducible by the agency in that form or format.").

I request that all responsive records be organized in an intelligible manner and referenced or indexed so that they are capable of being read and understood by one possessing average skills, intellect, and training. If the responsive records are codified such that they

FREEDOM OF INFORMATION ACT REQUEST

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group;

BY: Daniel David Rigmaiden

TO: Federal Bureau of Investigation

October 10, 2011

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cannot be readily understood, I request that I be provided with all required decoding documents necessary to provide a clear and intelligible understanding of the contents and meaning of the responsive records.

III. REQUEST FOR WAIVER OF ALL COSTS OR REDUCED COSTS

I am requesting a waiver of all costs pursuant to 5 U.S.C. 552(a)(4)(A)(iii) ("Documents shall be furnished without any charge or at a charge reduced below the fees established under clause (ii) if disclosure of the information is in the public interest because it is likely to contribute significantly to public understanding of the operations or activities of the government and is not primarily in the commercial interest of the requester."). Disclosure of the requested records will help members of the public understand the privacy risks of carrying cell phones and other wireless devices. The requested records concern the direct operations and activities of the government with respect to surreptitiously locating cell phones and other wireless devices using Harris brand portable/transportable wireless device locators and related equipment.

On September 22, 2011, The Wall Street Journal published an article titled "'Stingray' Phone Tracker Fuels Constitutional Clash"⁶ wherein the government's use of portable/transportable wireless device locators was clearly and sufficiently identified. The identifiable government actions reported in The Wall Street Journal article and in the evidence I placed on the record in CR08-814-PHX-DGC weigh in favor of granting me a fee waiver for this FOIA request. See 28 C.F.R. § 16.11(k)(2)(i) (To determine whether the first fee waiver requirement is met, "[t]he subject of the requested records must concern identifiable operations or activities of the federal government, with a connection that is direct and clear, not remote or attenuated."). There is additional support for granting a fee waiver considering I have the ability and intention to effectively convey the responsive information to the public. See 28 C.F.R. § 16.11(k)(2)(iii) (When determining whether the requested records will contribute to an understanding of the subject by the public, "[a] requester's expertise in the subject area and ability and intention to effectively convey information to the public shall be considered."). The information I obtain through this FOIA request will be placed on the public record in CR08-

6. See Valentino-DeVries, Jennifer, 'Stingray' Phone Tracker Fuels Constitutional Clash, The Wall Street Journal, p. A1 (Sept. 22, 2011) available at <http://online.wsj.com/article/SB10001424053111904194604576583112723197574.html> (last accessed: September 22, 2011) ("Associate Deputy Attorney General James A. Baker and FBI General Counsel Valerie E. Caproni both said at a panel at the Brookings Institution in May that devices like these fall into a category of tools called 'pen registers,' which require a lesser order than a warrant.").

FREEDOM OF INFORMATION ACT REQUEST

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group;

BY: Daniel David Rigmaiden

TO: Federal Bureau of Investigation

October 10, 2011

Page # 7 of 8

814-PHX-DGC and I will also forward the information to Jennifer Valentino-DeVries, the reporter who wrote the article about StingRay type devices for The Wall Street Journal. *See* fn. 6, *supra*. The noted Wall Street Journal article specifically reported on my efforts to prove that the government violates the Fourth Amendment when it uses portable/transportable wireless device locators to locate wireless devices within home residences without a proper warrant. Finally, the records requested are not sought for a commercial purpose^[7] and I plan to disseminate the responsive material to the public at no cost. *See* 28 C.F.R. § 16.11(k)(3)(i) and (ii) (To determine whether the fee waiver requirement is met, the disclosure should not be primarily in the commercial interest of the requester.).

IV. REQUEST FOR EXPEDITED PROCESSING

I am requesting expedited processing of this FOIA request pursuant to 5 U.S.C. 552(a) (6)(E)(i)(I) (Expedited processing is merited "in cases in which the person requesting the records demonstrates a compelling need;"). I have a compelling need for the requested records considering the subject of my request is a matter of widespread and exceptional media interest and the government's integrity is called into question when it tracks and locates wireless devices without proper judicial authority, *i.e.*, a Rule 41 warrant founded on probable cause. *See* 28 C.F.R. § 16.5(d)(1)(iv) (Expedited processing is merited when the request involves "[a] matter of widespread and exceptional media interest in which there exist possible questions about the government's integrity which affect public confidence."). The media has repeatedly reported on warrantless government cell phone tracking prior to this FOIA request. In 2007, the media reported that "a little-known FBI telephone intercept unit has developed a powerful cellphone tracking technology that agents use to monitor the physical movements of surveillance targets, even on phones that are not GPS equipped."^[8] In 2008, the media reported that the government can track cell phones on its own using a TriggerFish and that it "raises the risk that they will do so without bothering to go to a court for permission first, since they no longer need to compel the provider to cooperate."^[9] In 2010, the media reported that a senior

7. *See Judicial Watch, Inc., v. Rossotti*, 326 F.3d 1309, 1312 (D.C. Cir. 2003) ("We are also mindful that Congress amended FOIA to ensure that it is liberally construed in favor of waivers for noncommercial requesters." (internal quotation marks and citation omitted)).

8. Singel, Ryan (Wired), *FBI E-Mail Shows Rift Over Warrantless Phone Record Grabs* (Dec. 20, 2007), available at http://www.wired.com/print/politics/onlinerights/news/2007/12/fbi_cell (last accessed Sep. 22, 2010).

9. Myers, Rachel (ACLU), *With Technology Like This, Who Needs the Law? >> Blog of Rights: Official Blog of the American Civil Liberties Union*, "With Technology Like This, Who Needs The Law?" (Nov. 14, 2008), <http://www.aclu.org/2008/11/14/with-technology-like-this-who-needs-the-law> (last accessed Aug. 16, 2011).

FREEDOM OF INFORMATION ACT REQUEST

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group;

BY: Daniel David Rigmaiden

TO: Federal Bureau of Investigation

October 10, 2011

Page # 8 of 8

attorney in the criminal division of the Justice Department claimed that "[t]he government is not required to use a warrant" when it uses surveillance equipment to locate cell phones.^[10] In 2011, the media reported on government use of StingRay type devices and on me challenging use of those devices without proper judicial authority. *See* fn. 6, *supra*. The above quoted/cited news stories are all framed to call into question the government's integrity when it tracks and locates cell phones and other wireless devices without proper warrants founded on probable cause.

* * * * *

I expect a determination of this request for expedited processing within 10 calendar days and a determination of this request for documents within 20 calendar days. *See* 28 CFR § 16.5(d)(4); 5 U.S.C. § 552(a)(6)(A)(i). If this request is denied in whole or in part, I request that all deletions be justified by reference to specific exemptions to FOIA. I request the release of all segregable portions of otherwise exempt material. I reserve the right to appeal a decision to withhold any information, to deny a waiver of fees, or to expedited processing.

I certify as true and correct to the best of my knowledge and belief that I have a compelling need for expedited processing and that the requested records are not for commercial purposes. Thank-you for your prompt attention to this matter. Please furnish all responsive records to the address below.

Daniel David Rigmaiden



Daniel Rigmaiden

Agency #10966111

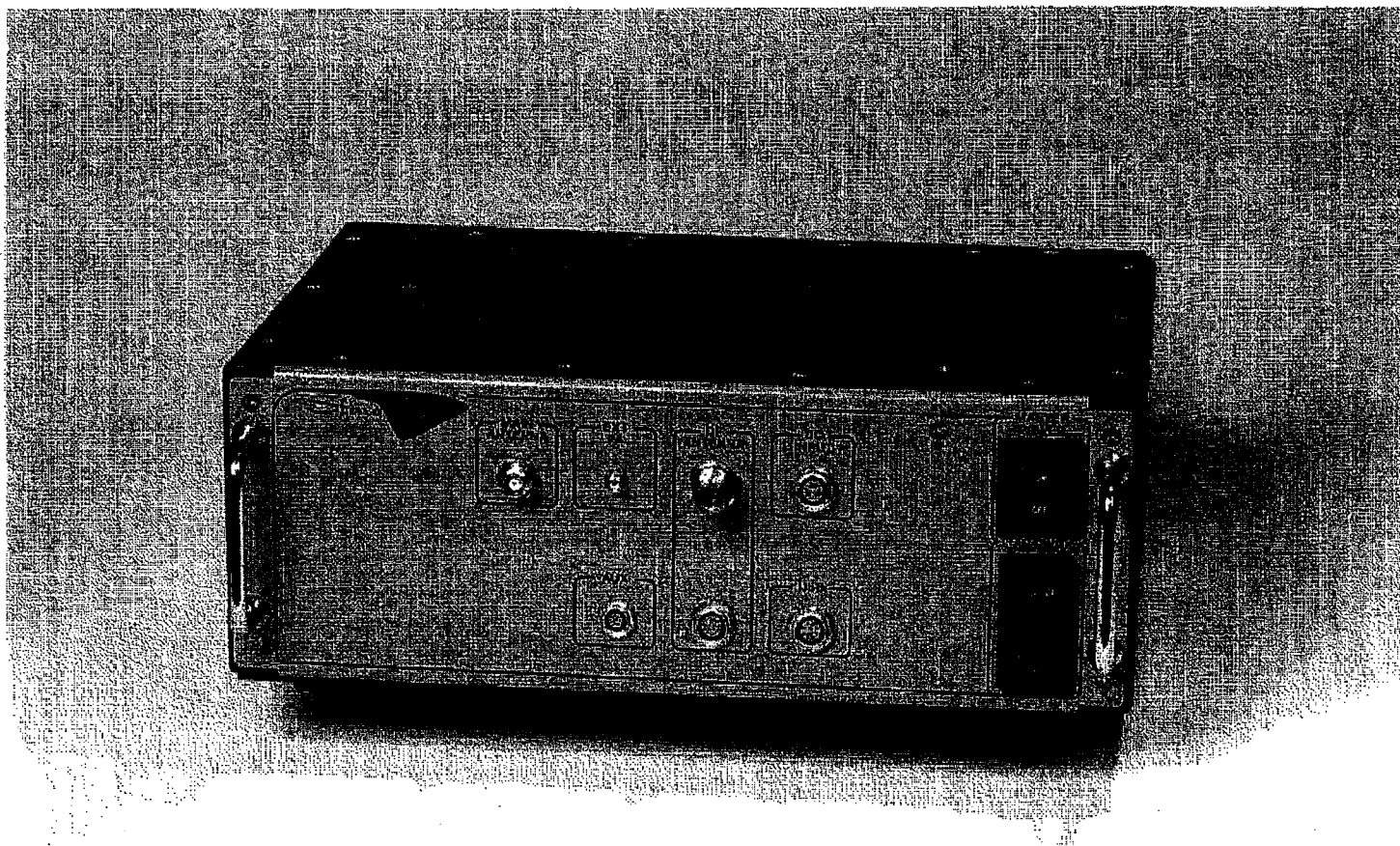
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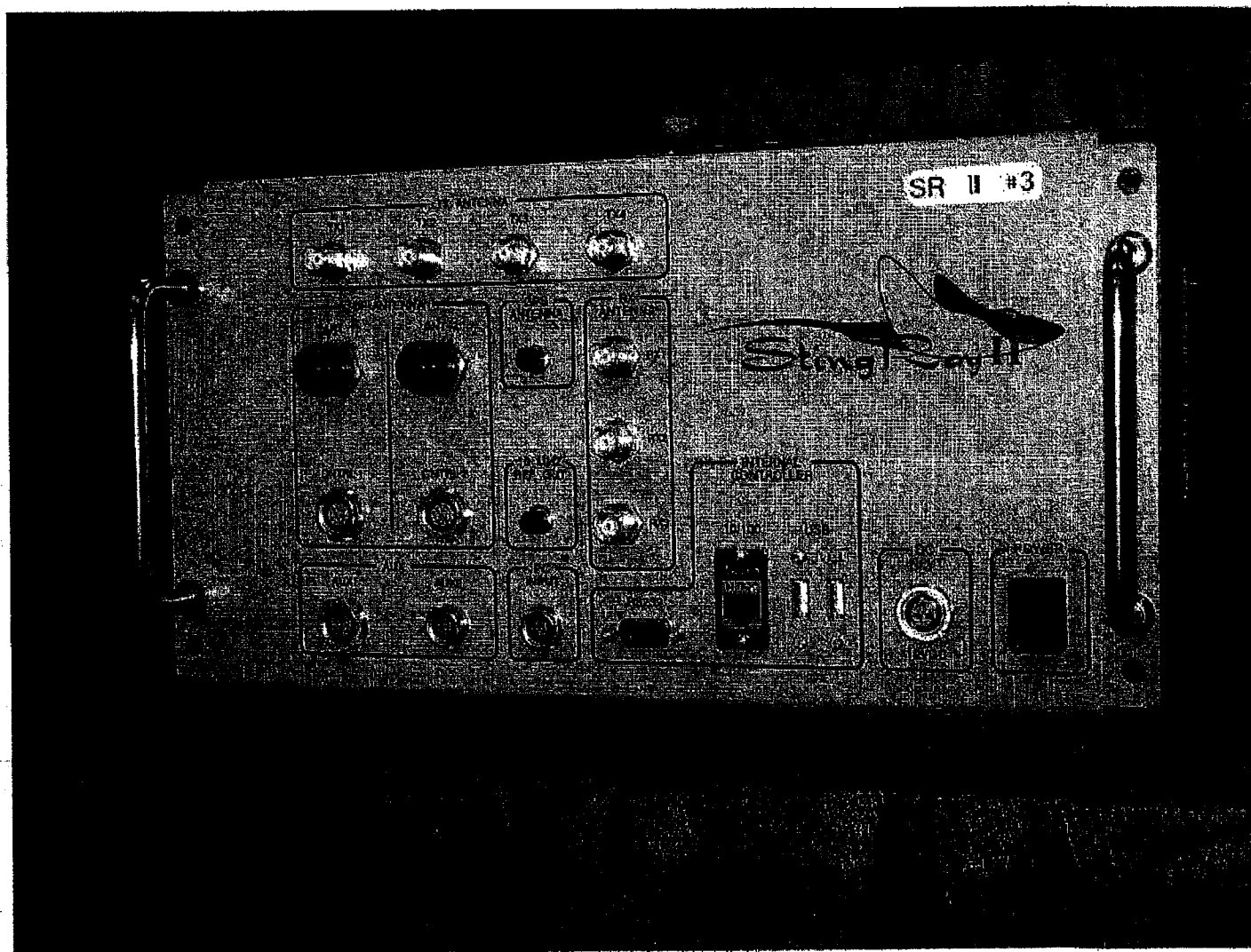
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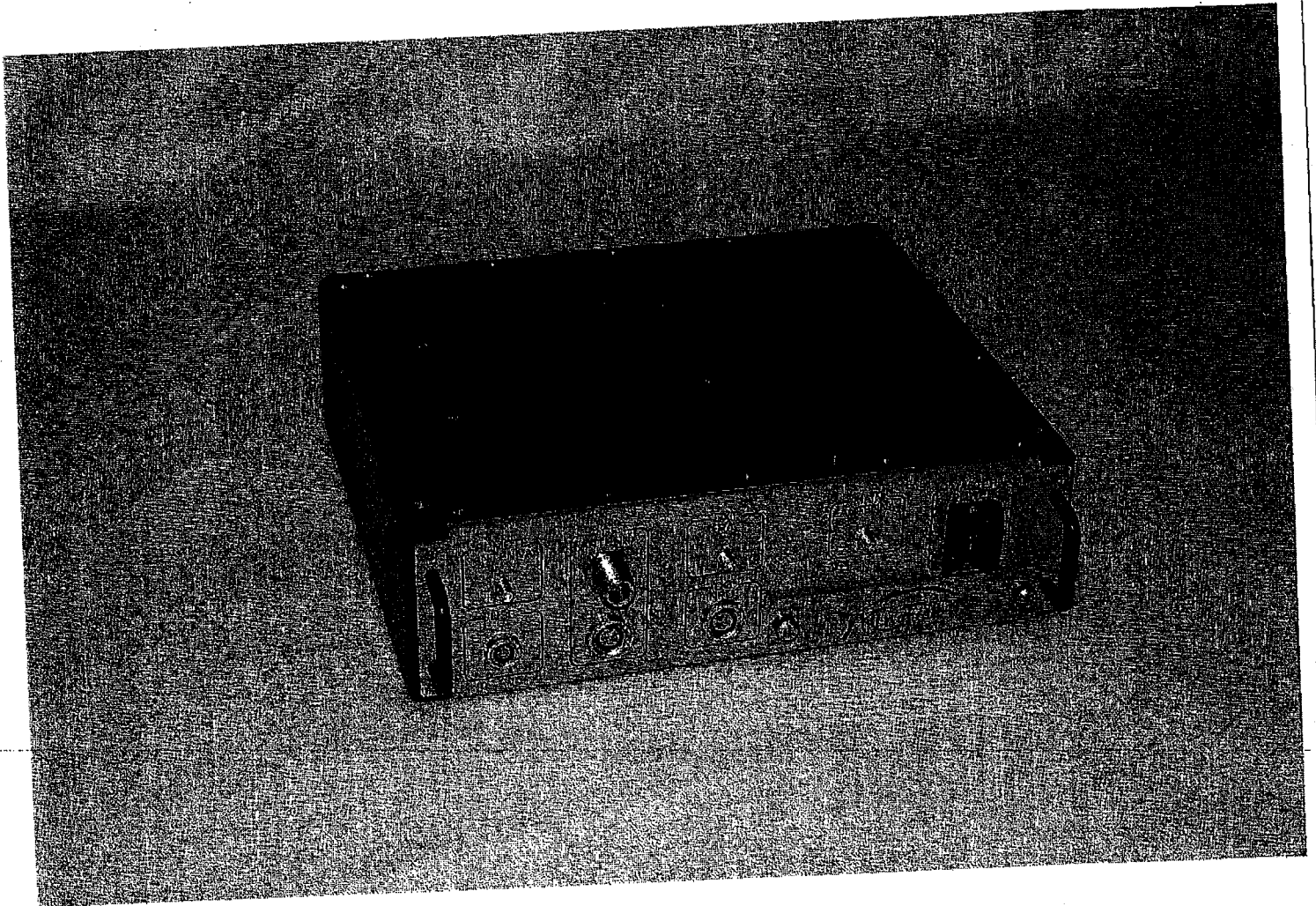
Florence, AZ 85132

10. McCullagh, Declan (CNET News), *Justice Dept. defends warrantless cell phone tracking* (Feb. 13, 2010), available at http://news.cnet.com/8301-13578_3-10453214-38.html (last accessed Apr. 8, 2010).

ATTACHMENT











WIRELESS
products group

StingRay™

***Transportable CDMA
Interrogation, Tracking
and Location, and
Signal Information
Collection System***

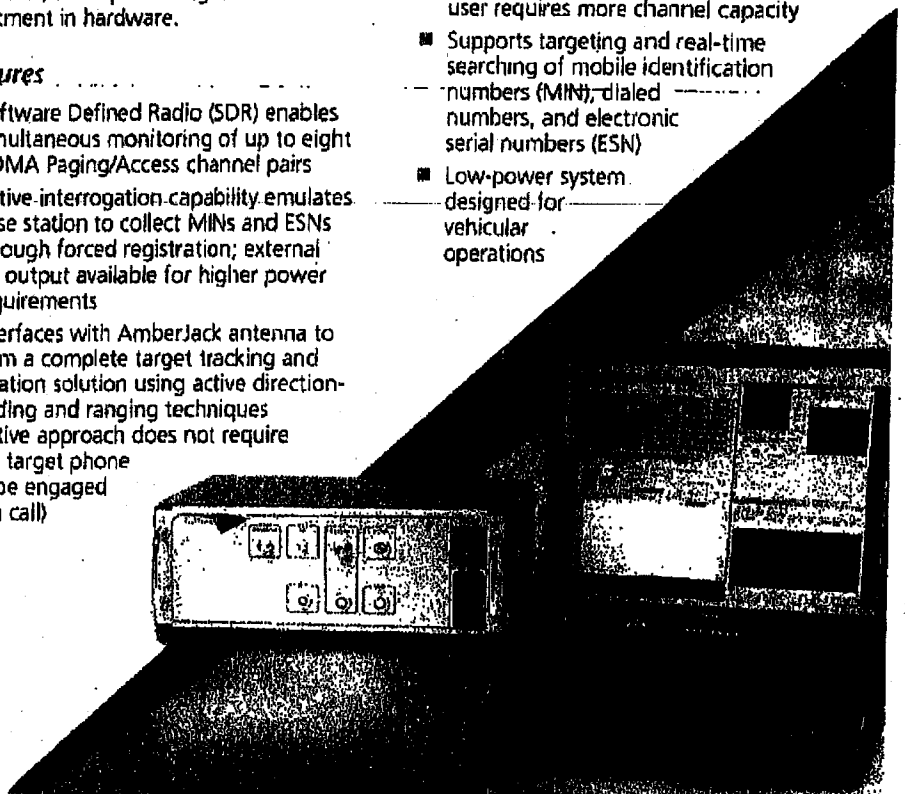
Product Description

StingRay™ is Harris' latest offering in a long line of advanced wireless surveillance products. StingRay is a multichannel software defined radio that performs network base station surveys, Dialed Number and registration collection, mobile interrogation, and target tracking and location with Harris' Amber-Jack™ Direction-Finding Antenna. This low-power transportable surveillance system is designed with the future in mind—its reconfigurable architecture lends itself to upgrades of new capabilities and wireless standards, while preserving the initial investment in hardware.

Features

- Software Defined Radio (SDR) enables simultaneous monitoring of up to eight CDMA Paging/Access channel pairs
- Active interrogation capability emulates base station to collect MINs and ESNs through forced registration; external PA output available for higher power requirements
- Interfaces with AmberJack antenna to form a complete target tracking and location solution using active direction-finding and ranging techniques (active approach does not require the target phone to be engaged in a call)
- Optional geolocation software overlays target tracks and tracking vehicle location on a digital map
- Wideband RF front-end provides simultaneous operation in the U.S. cellular 800 and PCS 1900 MHz bands and is preconfigured to support iDEN (low band), GSM 900, and DCS 1800 bands
- PC-based controller running Windows® XP provides an intuitive Graphical User Interface (GUI)
- Industry-standard USB interface enables plug-n-play networking of multiple StingRay surveillance systems if the user requires more channel capacity
- Supports targeting and real-time searching of mobile identification numbers (MIN); dialed numbers, and electronic serial numbers (ESN)
- Low-power system designed for vehicular operations

next level solutions



JUL-18-2002 11:31

HARRIS and KNIGHT LLP

P.26

HARRIS**StingRay™**

**Transportable CDMA
Interrogation, Tracking
and Location, and
Signal Information
Collection System**

WIRELESS
products group

Product Description

StingRay™ is Harris' latest offering in a long line of advanced wireless surveillance products. StingRay is a multichannel software defined radio that performs network base station surveys, Dialed Number and registration collection, mobile interrogation, and target tracking and location with Harris' Amber-Jack™ Direction-Finding Antenna. This low-power transportable surveillance system is designed with the future in mind—its reconfigurable architecture lends itself to upgrades of new capabilities and wireless standards, while preserving the initial investment in hardware.

Features

- Software Defined Radio (SDR) enables simultaneous monitoring of up to [REDACTED] channel pairs
- Active interrogation capability emulates base station to collect MINs and ESNs through forced registration; external [REDACTED] output available for [REDACTED] requirements
- Interfaces with AmberJack antenna to form a complete target tracking and location solution using active [REDACTED] and [REDACTED] techniques [REDACTED] the target phone [REDACTED]

- Optional [REDACTED]
- [REDACTED] RF front-end provides [REDACTED] operation in the U.S. cellular [REDACTED] bands and is [REDACTED] to support [REDACTED] bands
- PC-based controller running [REDACTED] provides an intuitive Graphical User Interface (GUI)
- Industry-standard USB interface enables [REDACTED]
- Supports [REDACTED]
- [REDACTED] designed for [REDACTED] operations

next level solutions**EXHIBIT C**

Received from < > at 7/18/02 11:31:01 AM (Eastern Daylight Time)

JUL-18-2002 11:31

HARRIS and KNIGHT LLP

P.27

Wireless Products Group**Standards Currently Supported**

- [REDACTED]

Future Standards Supported

- Software reconfigurable architecture will allow for future software upgrades to support other wireless standards and capabilities

Operating Bands

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

Transmit Capabilities*(For Interrogation and Active Tracking and Location)*

- Up to [REDACTED] dBm output
- Interfaces with an [REDACTED]

Compatible Accessories

- [REDACTED]
- [REDACTED]
- [REDACTED]

Interfaces

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- Power [REDACTED]

Physical Characteristics

- Housing: Standard aluminum case
- Wheeled transit case
 - Stows [REDACTED]
 - Conforms to airline carry-on weight and size limits

PC Controller Characteristics

- [REDACTED] operating system
- GUI is easily configured by user for mission scenarios
- Enables field upgrade of system firmware
- Integrated [REDACTED] GUI with optional [REDACTED]

1. Hardware is preconfigured to work in these bands. Future software upgrades will provide operation in these bands—consult Harris Wireless Products Group for availability.

Specifications are subject to change without notice.

SingRay and ArebaLock are trademarks of Harris Corporation.

Windows XP is a registered trademark of Microsoft Corporation.

This product is a restricted use item and can be sold only to authorized law enforcement and government agencies. Its use shall comply with all local, state and federal statutes associated with the intercept and monitoring of oral communications. Harris Corporation assumes no liability for any misuse or improper use of the product and makes no representation as to its suitability for any specific application.

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TOTAL P.27

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WIRELESS
products group

AmberJack™

Dual-Band Direction Finding System

Product Description

AmberJack™ is a phased array direction finding (DF) antenna system capable of tracking and locating mobile phone users. The DF antenna array is designed to operate with Harris' Loggerhead™ and StingRay™ products enabling tracking and location of AMPS, TDMA and CDMA phones. AmberJack operates in both the cellular and PCS bands.

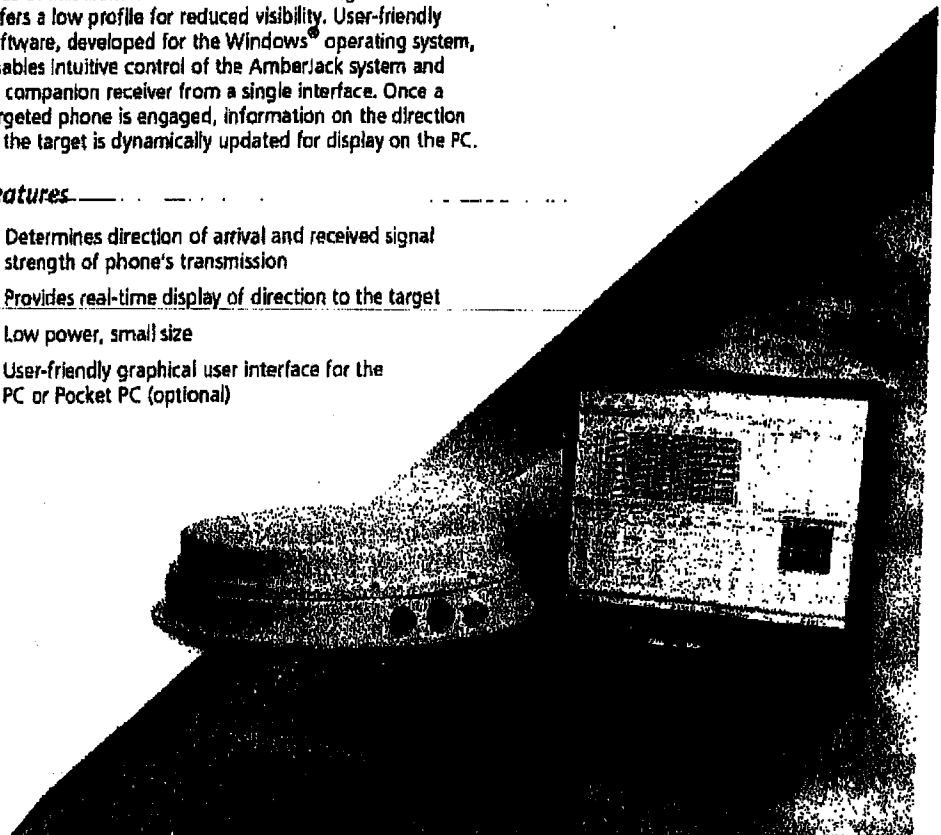
AmberJack combines Harris' expertise in phased array antenna technology and tracking and locating systems to offer a state-of-the-art direction finding system. Beam forming technology offers a universal DF antenna for existing as well as future cellular standards.

The DF antenna array incorporates magnetic mounts for ease of installation to the roof of a tracking vehicle and offers a low profile for reduced visibility. User-friendly software, developed for the Windows® operating system, enables intuitive control of the AmberJack system and its companion receiver from a single interface. Once a targeted phone is engaged, information on the direction to the target is dynamically updated for display on the PC.

Features

- Determines direction of arrival and received signal strength of phone's transmission
- Provides real-time display of direction to the target
- Low power, small size
- User-friendly graphical user interface for the PC or Pocket PC (optional)

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Wireless Products Group

AmberJack®

Direction-Finding System

Product Description

AmberJack® is a phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations. The DF antenna array is designed to operate with Harris' Gossamer®, KingFish®, StingRay®, and StingRay II® products, enabling tracking and location of targeted mobile phones, as well as base stations. AmberJack-X operates in the U.S. cellular 850 and PCS 1900 bands, and AmberJack-G operates in the EGSM 900 and DCS 1800 bands. AmberJack-W operates in all the bands above as well as iDEN™ and UMTS bands I and IV.

AmberJack combines Harris' expertise in phased array antenna technology and

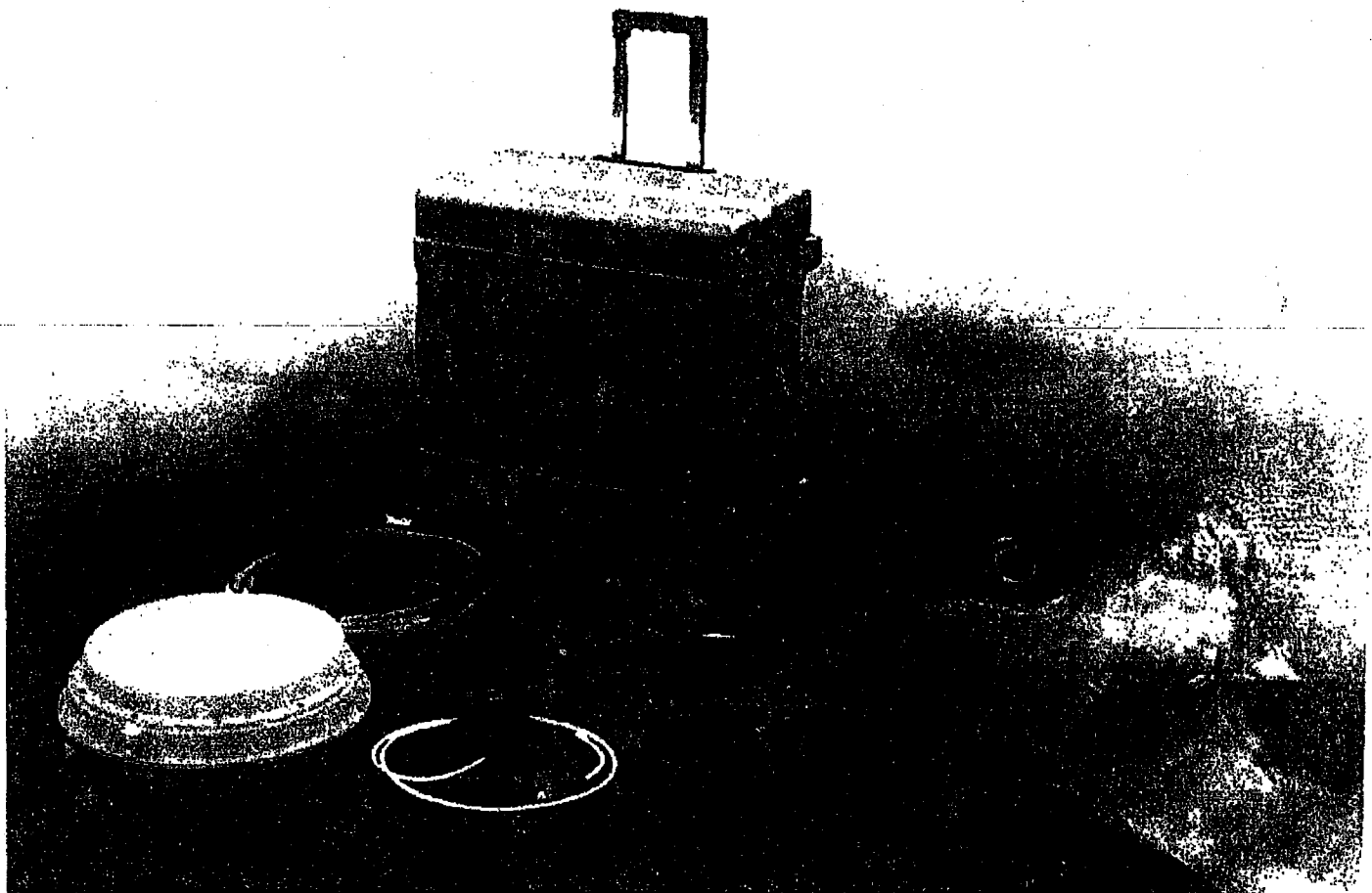
tracking and locating systems to offer a state-of-the-art direction-finding system. Phased array technology offers a universal DF antenna for existing, as well as future cellular standards.

The DF antenna array incorporates magnetic mounts for ease of installation on the roof of a tracking vehicle and offers a low profile for reduced visibility. User-friendly software, developed for the Windows® operating system, enables intuitive control of the AmberJack system and its companion receiver from a single interface. Once a target is engaged, information on the direction to the target is dynamically updated for display on the PC.



Operations Supported

- Locating mobile phones and base stations
- Tracking mobile phones



AmberJack® Direction-Finding System



Features

- Determines direction of arrival and received signal strength of a targeted mobile phone's transmission
- Determines direction of arrival and received signal strength of a targeted base station's transmission
- Provides real-time display of direction to the target
- Low power and portable
- User-friendly Graphical User Interface (GUI) for the PC

Frequency Coverage

- AmberJack-X (U.S. Cellular/PCS 1900)
 - Cellular reverse: 824-849 MHz
 - Cellular forward: 869-894 MHz
 - PCS reverse: 1850-1910 MHz
 - PCS forward: 1930-1990 MHz
- AmberJack-G (EGSM 900/DCS 1800)
 - EGSM reverse: 880-915 MHz
 - EGSM forward: 925-960 MHz
 - DCS reverse: 1710-1785 MHz
 - DCS forward: 1805-1880 MHz

AmberJack-W (Wideband)

- IDEN reverse: 806-825 MHz
- IDEN forward: 851-870 MHz
- Cellular reverse: 824-849 MHz
- Cellular forward: 869-894 MHz
- PCS reverse: 1850-1910 MHz
- PCS forward: 1930-1990 MHz
- EGSM reverse: 880-915 MHz
- EGSM forward: 925-960 MHz
- DCS reverse: 1710-1785 MHz
- DCS forward: 1805-1880 MHz
- UMTS IV reverse: 1710-1755 MHz
- UMTS IV forward: 2110-2155 MHz
- UMTS I reverse: 1920-1980 MHz
- UMTS I forward: 2110-2170 MHz

External Control

- Laptop PC (Windows® XP Professional)

Power source

- 12 Vdc at 0.5 A

Physical Characteristics

- Size: D = 17", H = 4.2"
- Weight: <14 lbs

Required Accessories (sold separately)

Gossamer with PC Controller, StingRay system, StingRay II, or KingFish with PC Controller

Optional Accessories

Harpoon™ for DF range extension

Catalog Part Number

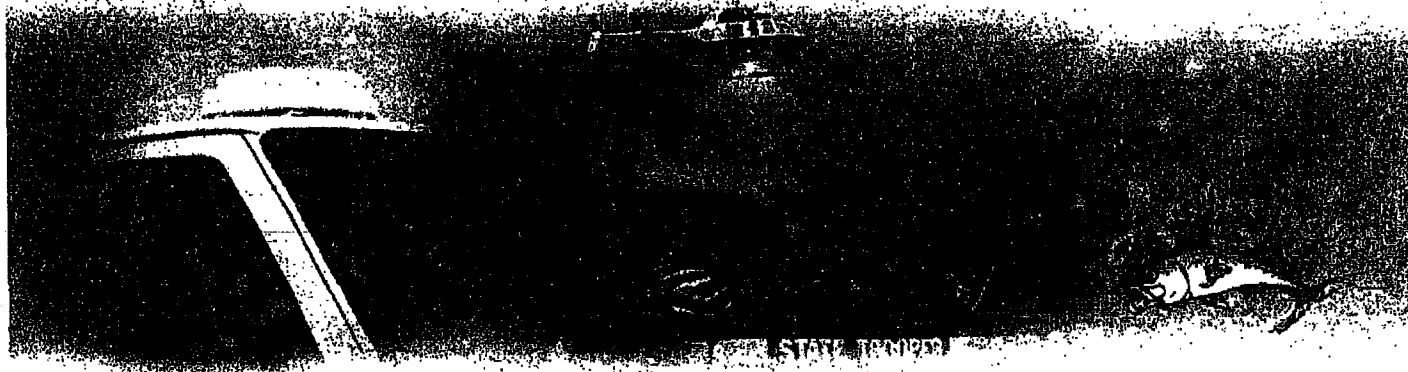
- AJ-X (AmberJack-X)
- AJ-G (AmberJack-G)
- AJ-W (AmberJack-W)

Authorized Federal Supply Service Information Technology Schedule

- SIN: 132-8 Purchase of Equipment
- SIN: 132-12 Maintenance, Repair Services and Repair Parts/Spare Parts

GSA Contract Number: GS-35F-0293J

General Services Administration Federal Supply Service products and ordering information in this Authorized FSS Information Technology Schedule Pricelist are also available on the GSA Advantage! System. Agencies can browse GSA Advantage! by accessing the GSA's home page via the Internet at www.gsa.gov.



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products group

**KingFish™
(Preliminary)**

**Portable
CDMA Interrogation,
Direction-Finding, and
Collection System**

Product Description

KingFish™ provides investigators with a tool that extracts the telephone number (MIN) and Electronic Serial Number (ESN) from a CDMA mobile telephone. The Active Direction-Finding (DF) capability enables location of a powered-on phone without depending on the suspect to be involved on a call. Additionally, KingFish provides passive Dialed Number Recorder (DNR) and Registration Collection capabilities. Passive operations identify calling patterns and provide information on the suspect's area of operation.

KingFish is based on a Software Defined Radio (SDR) architecture, which enables upgrades to future cellular standards, while preserving the initial investment in hardware. As initially offered, KingFish provides CDMA operation in both the Cellular and PCS bands.

Features

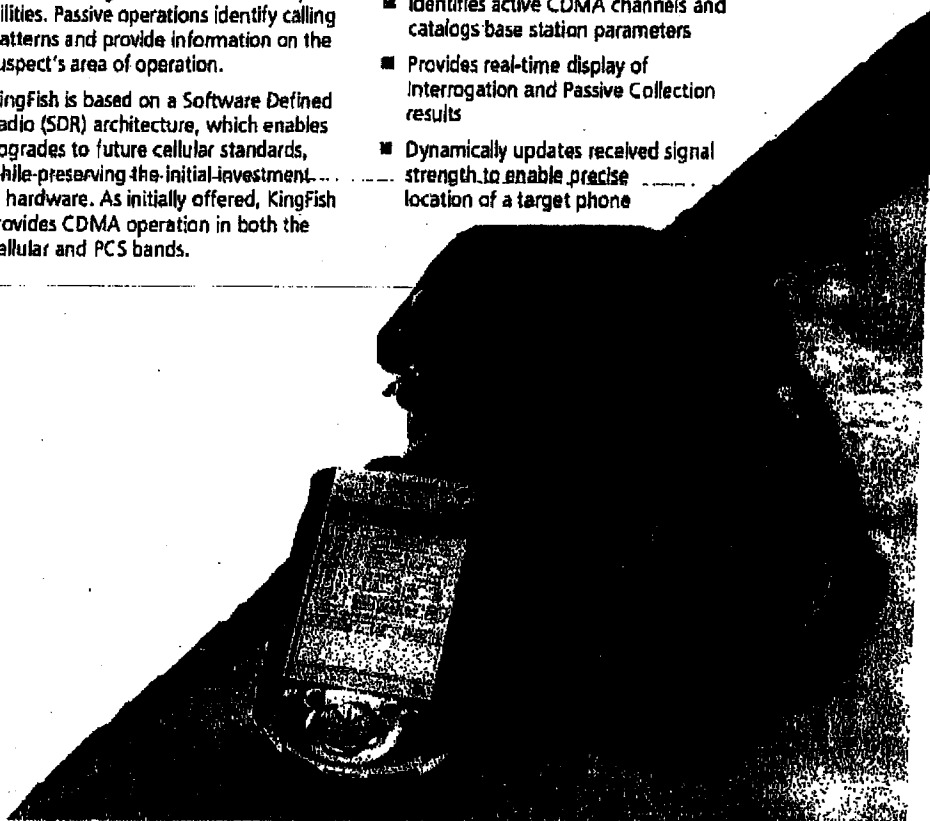
Covert Packaging

- Concealed radio, antennas, and battery power supply
- Wireless remote control from commercially available Pocket PC

Intuitive Application Software

- Windows® interface
- Identifies active CDMA channels and catalogs base station parameters
- Provides real-time display of Interrogation and Passive Collection results
- Dynamically updates received signal strength to enable precise location of a target phone

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Geolocation (Preliminary)

***PC-Based Intelligent
AMPS/TDMA and CDMA
Tracking and Location***

Product Description

Geolocation is a PC-based software application that allows the user to intelligently track and locate targeted AMPS/TDMA and CDMA cellular phones in the 800 and 900 MHz bands. Geolocation consists of software and an external GPS receiver. Geolocation will be offered in two options: an AMPS/TDMA Option to be used in conjunction with the Harris LoggerHead™ Interrogator plus the PC Controller™ and the AmberJack™ DF Antenna; and a CDMA Option to be used in conjunction with the Harris StingRay™ system plus the AmberJack™ DF Antenna.

Geolocation provides a user-friendly, geospatially accurate mapping routine which shows on-screen the exact location of the tracking vehicle, plus Direction of Arrival (DOA) information and/or estimated range/location information on the targeted phone.

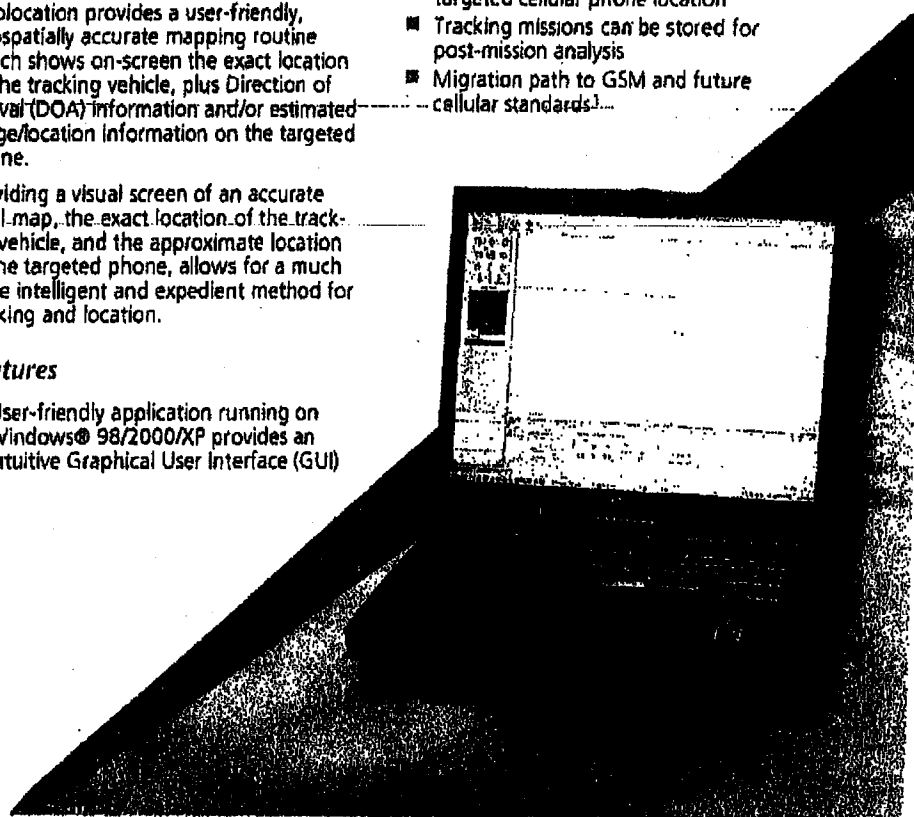
Providing a visual screen of an accurate local map, the exact location of the tracking vehicle, and the approximate location of the targeted phone, allows for a much more intelligent and expedient method for tracking and location.

Features

- User-friendly application running on Windows® 98/2000/XP provides an intuitive Graphical User Interface (GUI)

- AMPS/TDMA: Interfaces with the LoggerHead™ Handheld Interrogator plus the PC Controller™ and the AmberJack™ Direction-Finding (DF) Antenna
- CDMA: Interfaces with the StingRay™ plus the AmberJack™ Direction-Finding (DF) Antenna
- Provided GPS receiver integrates with PC running the application
- Real-time viewing of tracking vehicle location
- Real-time viewing of approximate targeted cellular phone location
- Tracking missions can be stored for post-mission analysis
- Migration path to GSM and future cellular standards

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Wireless Products Group

Harpoon™

Software-Controlled, High-Power Filtered Amplifier

Product Description

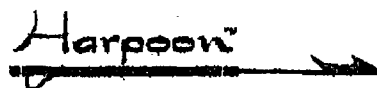
Harpoon™ is a software-controlled, high-power filtered amplifier that maximizes the multichannel transmit capability of the StingRay II® and significantly improves the performance of the single-channel StingRay® and KingFish® systems by providing high-gain, wide dynamic range, and excellent linearity along with 30 watts of filtered output power. System status indication alerts the user during fault conditions including problems with the RF connections.

■ Four Versions Available

- Harpoon 850/1900 (Dual Band)
- Harpoon 900/1800 (Dual Band)
- Harpoon 2100 (Single Band)
- Harpoon i800 (Single Band)

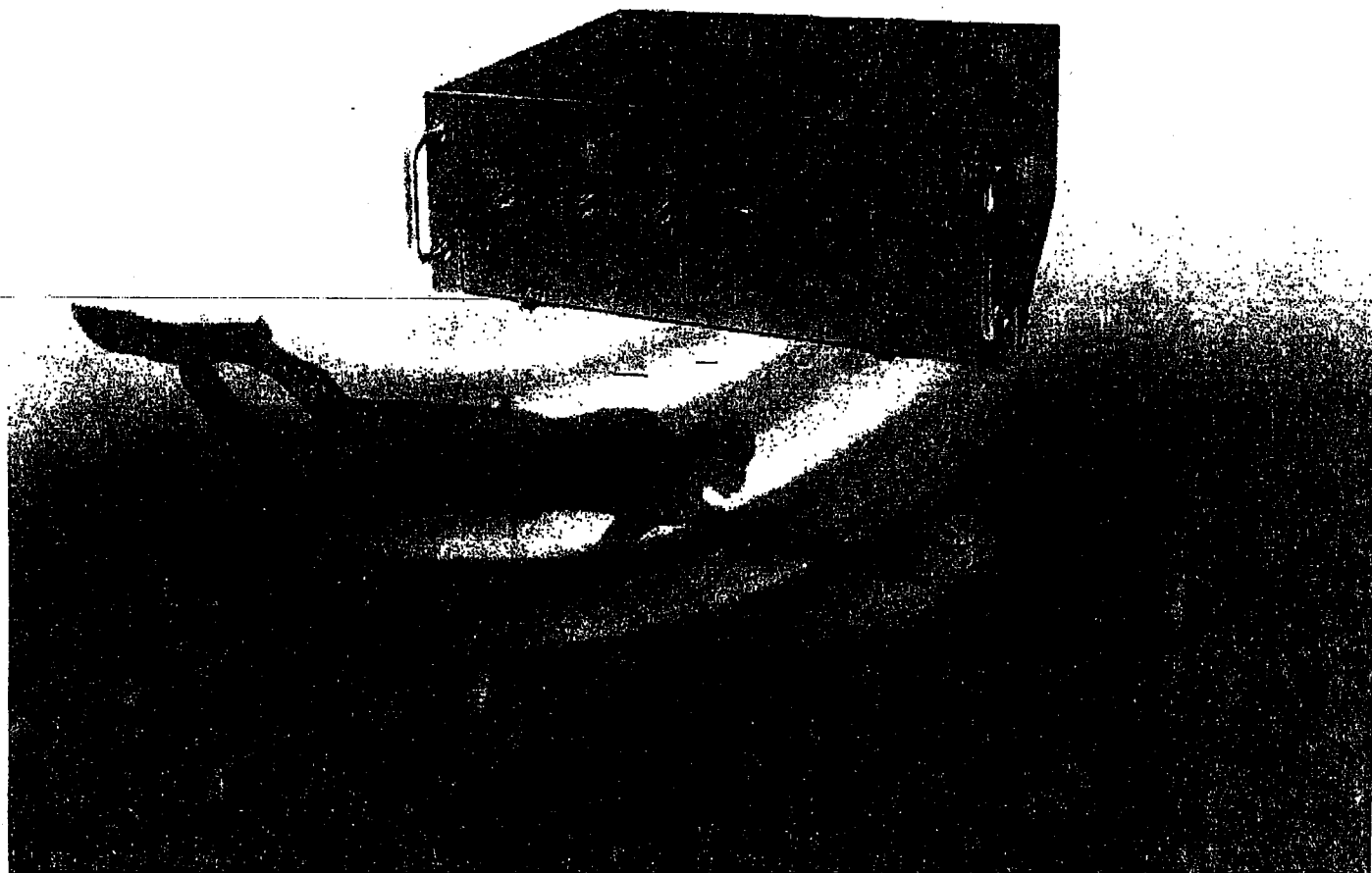
Features

- Automatic Level Control
 - Maximizes total output power up to 30 W per band
 - Maintains constant output power
 - Improves power level accuracy
- Filtered Output
 - Improves transmit signal quality
 - Improves receiver sensitivity



Operations Supported

- Maximizes the multichannel transmit capability of the StingRay II
- Significantly improves the performance of the single-channel StingRay and KingFish systems



Harpoon™

Software-Controlled, High-Power Filtered Amplifier



Standards Supported

- GSM
- CDMA2000®
- iDEN
- UMTS

Frequency Coverage

- 850/1900: 869–894 MHz/1930–1990 MHz
- 900/1800: 925–960 MHz/1805–1880 MHz
- iDEN 800: 851–870 MHz
- 2100: 2110–2170 MHz

Physical Characteristics

- Dual Band
 - Size: 10.5" x 14.75" x 5"
 - Weight: 24 lbs
- Single Band
 - Size: 10.5" x 10.5" x 5"
 - Weight: 15 lbs

Power Specifications

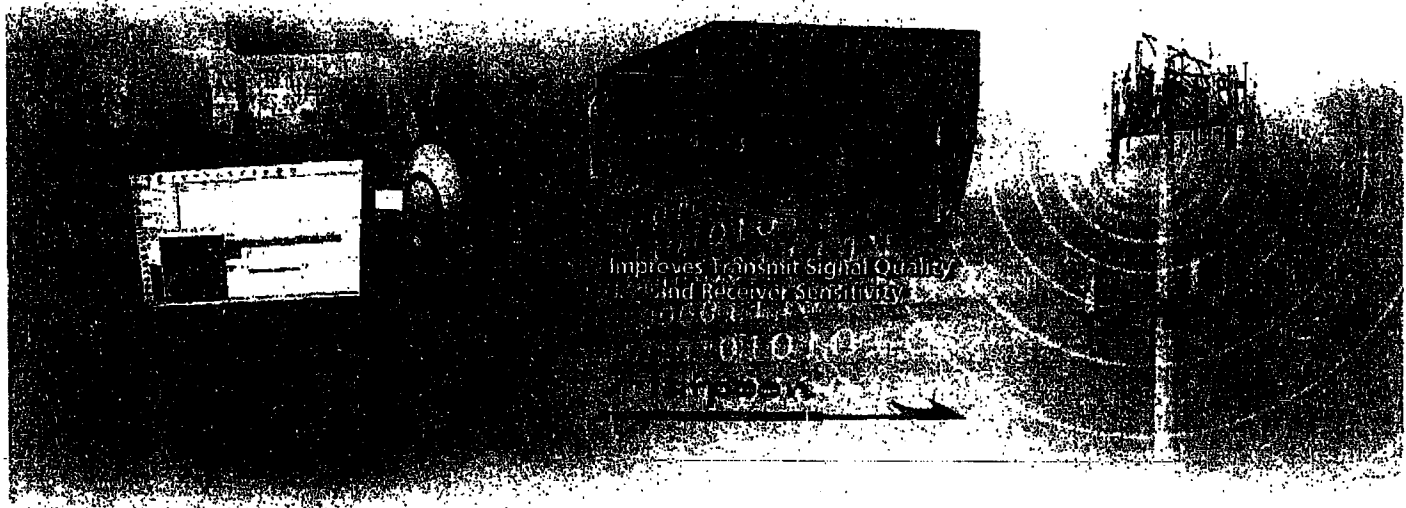
- Input: 10–33 Vdc
- Power Consumption
 - Dual Band: 440 W max
 - Single Band: 280 W max

Optional Accessories

- Diplexer for dual-band operation with StingRay and KingFish

Catalog Part Number

- Harpoon 850/1900
- Harpoon 900/1800
- Harpoon i800
- Harpoon 2100



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UMTS IV Converter

Overview

UMTS IV Converter is a high performance Frequency Converter that enables the StingRay® or KingFish® to operate in the CONUS UMTS IV (2100 MHz DL, 1700MHz UL) band. Its high stability and extremely low phase noise performance enables stand-alone-capability; which allows the StingRay/KingFish and Converter to operate with independent references. Its excellent channel-pair rejection enables operation with high-power PAs.

UMTS IV Converter enables the StingRay/KingFish to transmit on the UMTS IV downlink band and to receive on both the uplink and downlink bands. It automatically shuts down the downlink receive path during transmit mode, improving system isolation and reducing power consumption.

Active gain compensation guarantees constant gain over temperature, frequency, aging, and other environmental effects during transmit mode and guarantees constant gain over temperature during receive mode.

Features

Transmit

- TX conversion from 1842.5 to 2140 MHz
- 60 MHz low ripple bandwidth
- Circuitry turns off during receive only mode
- Active gain compensation over temp and freq
- Active TX LED status indicator

Receive

- RX 1 conversion from 2140 to 1842.5 MHz
- RX 2 conversion bypass
- RX 1 circuitry turns off during transmit mode
- 11dB gain is temperature compensated
- Attenuators are activated from the front panel

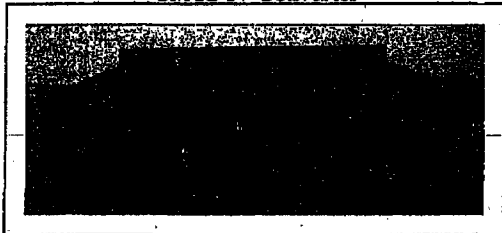
Local Oscillators

- 0.5° Integrated Phase Noise (100Hz – 1MHz)
- 0.2ppb over temperature, ±25ppb/year aging
- LED status indicator

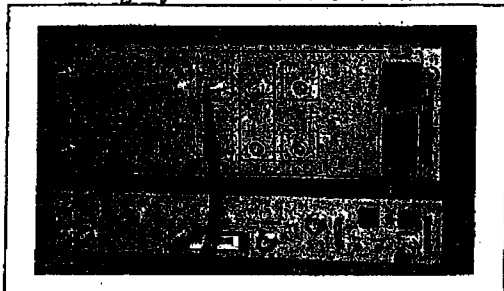
Mechanical Housing

- Rugged welded metal case
- Formed lid for convenient transceiver mounting
- Front panel connectors, controls, and indicators

UMTS IV Converter



StingRay and UMTS IV Converter



assuredcommunications®

Accessories Included:

- Transit Case
- AC/DC converter
- DC/DC converter for vehicular operation
- RF cables for StingRay/KingFish connections
- RF cable for PA connection
- Brackets for KingFish installation

HARRIS PROPRIETARY INFORMATION

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Version S&L 2010

WPG Product Pricing

Effective Date: 12/7/09

Update: 2/24/10

Product Description		Domestic Pricing		GSA Pricing	
Part		1-15	16+	1-15	16+
SLINGRAY					
SLINGRAY	SLINGRAY	75,000	71,300	68,479	
SLINGRAY GSM Software	SRAY-GSM-SW	22,000	20,900		
SLINGRAY CDMA Software	SRAY-CDMA-SW	22,000	20,900		
SLINGRAY IDEN Software	SRAY-IDEN-SW	22,000	20,900		
SLINGRAY 2100 MHz B1 Down Converter w/ By Pass (CONUS)	CONV-2100/1800-WBP	19,800	18,800	18,064	
SLINGRAY 2100 MHz B4 Down Converter w/ By Pass (CONUS)	CONV-2100/1700-WBP	19,800	18,800	18,064	
SLINGRAY ACCESSORIES					
SLINGRAY Replacement Kit	SR-REPLACEMENT KIT	500			
Cable Assembly PC/USB - 6' Cable	3092524-102	169			
Cable Assembly PC/USB - 12' Cable	3092524-103	220			
Cable DC Power	3092525-101	171			
SLINGRAY Carrying Case	RE1017HA	925			
115V Power Cord	17250	8			
Laptop PC Controller (Dell Latitude)	2009523-101	3,300			
Panasonic Toughbook Computer	2009525-101	6,300			
Adapter, DC (Laptop) (non-Charging)	DE2035-803	225			
Mouse, CMPTR (Micro Trac)	2009523-003	50			
Auto Power Adapter (8500 & D600)	2009523-002	128			
Mobile Mast 20'	OSMM-SA-20	2,290			
12' Extension Cable (TNC to N)	PE3865-144	80			
12' Extension Cable (TNC to TNC)	PE3414-144	80			
N-F to TNC-F Adapter	PE9131	48			
TNC-F to TNC-F Adapter	PE8099	28			
N-M to TNC-F Adapter	PE9090	30			
N-F to TNC-M Adapter	PE9089	28			
Directional Antenna, Yagi (GSM) Pole Mount	Y2287A-66	100			
SDR Radio Slice	3092527-201	16,000			
DC-DC Power Supply Module (SR & KF)	3092577-101	400			
Duplex Filter (AMPS/PCS) Stand Alone	WSA-00045	1,670			
Duplex Filter (EGSM/DCS) Stand Alone	WSA-00100	2,310			
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101	128			
15' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15	80			
SLINGRAY II					
SLINGRAY II	SLINGRAY II	143,000	140,500	134,952	
SLINGRAY II Upgrade	SLINGRAY II-UP	71,300	67,700	65,014	
SLINGRAY II GSM Software	SRAY-II-GSM-SW	22,000	20,900		
SLINGRAY II CDMA Software	SRAY-II-CDMA-SW	22,000	20,900		
SLINGRAY II IDEN Software	SRAY-II-IDEN-SW	22,000	20,900		
SLINGRAY II ACCESSORIES					
Cable Assembly PC/USB - 6' Cable	3092524-102	169			
Cable Assembly PC/USB - 12' Cable	3092524-103	220			
Laptop PC Controller (Dell Latitude)	2009523-101	3,300			
Adapter, DC (Laptop) (non-Charging)	DE2035-803	225			
Panasonic Toughbook Computer	2009525-101	6,300			
Mouse, CMPTR (Micro Trac)	2009523-003	50			
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101	128			
15' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15	80			
Quad Band Yagi (Wedge) Including 6ft cable (PE 3078-72)	3118694-201	1,300			
Cable Assembly, RF (SMA-M to RTANGM-M) 6'	PE3078-72	104			
Cable Assembly, RF (SMA-M to RTANGM-M) 12'	PE3078-144	108			
GPS Antenna	ANT-GPS-SH-SMA	50			
AC/DC Converter	ACHA1224-1938	800			
Volt Converter (Universal Plug Kit)	314257-101	108			
SLINGRAY II Case	RE041908HA	750			
SDR Radio Slice	3092527-201	16,000			

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WPG Product Pricing

Effective Date: 12/7/09

Update: 2/24/10

Version S&L 2010

Kingfish		27,500	28,400	28,348
Kingfish N-Connector Upgrade	KF-N-UP	2,800	2,700	
Kingfish GSM Software	KF-GSM-SW	18,100	17,200	
Kingfish CDMA Software	KF-CDMA-SW	18,100	17,200	
Kingfish IDEN Software	KF-IDEN-SW	18,100	17,200	
Kingfish Replacement Kit				
Tool Bag Assembly	3100242-101	570		
Carrying Case, Kingfish	RE0513HA	950		
Cable Assembly, W102 (PC USB Type A) 5' cable	3092524-102	130		
Cable DC Power	3092525-101	170		
Battery Pack (11.1V)	2014088-101	250		
Lithium-Ion Battery Charger	2014088-102	420		
Battery, Adapter, Lighter (24V, 1.5A)	VA2524	140		
Power Supply (12V, 5A)	ACHA-12501	150		
Quad Band Yagi (Wedge) Including 6ft cable (PE 3078-72)	3119694-201	1,000		
Cable Assembly, RF (SMA-M to RTANGM-M) 8'	PE3078-72	100		
Cable Assembly, RF (SMA-M to RTANGM-M) 12'	PE3078-144	100		
Antenna Device, Wave, PCS/Cell (Green)	2014620-001	22		
Antenna Device, Wave, GSM (Orange)	2014620-002	22		
Antenna, 1/4 Wave (2.4 GHz) (Bluetooth)	2014629-001	18		
Backpack Carrying Case Custom (Blue)	3100242-103	450		
Backpack Carrying Case Custom (Army Digi-Camo)	3100242-104	450		
Quad Band Mag Mount Antenex Antenna (SMA)	3174173-102	120		
AmberJack				
AmberJack G	AJ-G	24,300	25,100	22,168
AmberJack X	AJ-X	24,300	25,100	22,168
AmberJack W	AJ-W	38,400	36,500	35,015
AmberJack Legacy to W Upgrade	AJL-W-UP	19,750	18,800	16,009
AmberJack X & G to W Upgrade	AJXG-W-UP	21,850	20,600	19,741
AmberJack Accessories				
Cable Assembly, DBDF Antenna, Loggerhead (12')	3088566-101	550		
Cable Assembly, DBDF Antenna, LH/Gossamer (12') (To be used in place of the	3120038-101	550		
Carrying Case	RE0512HA-2	800		
Cable Assembly, 3-Way Splitter	DC16A-3J1	170		
Eyebolt, Swivel	47621	54		
Power Cable Internal	3087877-101	75		
Tool, Eyebolt	47641/84892	15		
Webbing Assembly, 12ft.	8834T835	35		
Radome Assembly	3087882-101	800		
Cable Assembly, DBDF Antenna, StingRay (12') - (old PN: 3099547-101) Three	KCII/1660	800		
Cable Assembly, (35')	KCII/1672-1	1,200		
Cable Assembly, DBDF Antenna, StingRay (25')	KCII/1672	975		
Cable Assembly, DBDF Antenna, StingRay (5 meters or 16' 4") - (old PN:	KCII/1684	825		
Cable Assembly, DBDF Antenna, StingRay (50') - (old PN: 3099547-102)	KCII/1665	1,300		
CASE, CARRYING/AMBERJACK-W	RE022808HA	1,200		
Power Amp Kit				
Power Amp	PA-KIT	1,800	1,300	
Power Amp Accessories				
Power Amp	SM0520-36HH	2,100		
Carrying Case	RE0602HA	700		
Adapter Cable - SMA Male to SMA Male (12")	PE3377-12	68		
3 Way DC Splitter	DC16A-3J1	170		
DC Power Cable	CBLLQ-00390	100		
Right Angle SMA Coax Adapter	PE9088	32		
Mounting Plate	3102393-101	82		
Adapter Cable - SMA Male to SMA Male (72")	FE3377-72	80		
Quad Band Mag Mount Antenex Antenna (SMA)	3174173-102	120		

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WPG Product Pricing

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Update: 2/24/10

Version S&L 2010

10 Watt PA Kit Accessories				
Power Amp Kit - 10 Watt	PA-KIT-10W	4,900	4,900	
10 Watt PA Kit Accessories				
Amplifier 10Watt	SM0822-3906	2,300		
Carrying Case	RE0118HA	700		
Adaptor Cable - SMA / TNC (18") w/ Attenuator	3147080-101	108		
3 Way DC Splitter	DC15A-3J1	170		
Adaptor Cable - SMA / TNC (72") w/ Attenuator	3147080-102	110		
DC Power Cable for 10-Watt PA	180-8045-66	52		
AC to DC Power Supply for 10 Watt PA	ACHA1270-1485	218		
AC to DC Power Supply for 10 Watt PA - 25 feet	GBLMS-F00416	125		
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101	125		
15' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15	80		
Attenuator, FXD; 5DB (SMA to SMA)	BW-S5W2	80		
25 Watt PA Kit Accessories				
High Power Filtered 25W PA Kit - (800/850/1900/2100 B4)	PA-KIT-25W CONUS	11,500	10,900	10,488
High Power Filtered 25W PA Kit - (800/850/2100 BT)	PA-KIT-25W OCONUS	11,500	10,900	10,488
25 Watt PA Kit Accessories				
High Power antenna	VBC-822-M-1	800		
DC Power Cable (CLA)	3092526-101	120		
AC/DC Power Converter	ACHA1224-2651	1,000		
DC / DC Power Cable	CBLIC-00640	200		
RF Cable	920-10027-012	260		
Carry Case	RE052809HA	900		
30 Watt PA Kit Accessories				
High Power Filtered 30W PA Kit- Single Band IDEN 800	PA-KIT-30W IDEN 800	18,400	16,800	14,954
High Power Filtered 30W PA Kit- Single Band 2100	PA-KIT-30W 2100	18,400	17,800	16,916
High Power Filtered 30W PA Kit- Dual Band 850/1900	PA-KIT-30W Dual-Band CONUS	20,200	19,200	18,419
High Power Filtered 30W PA Kit- Dual Band 800/1800	PA-KIT-30W Dual-Band OCONUS	20,200	19,200	18,419
30 Watt PA Kit Accessories				
Harpoon AC/DC Converter	ACHA2816-2597	1,200		
USB Cable Assembly	3092524-102	186		
USB to AUX Cable Assembly (Beige)	3181089-101	210		
RF Cable Assembly (Blue)	920-10027-012	210		
Harpoon Mounting Tray Assembly	3182503-101	700		
Antenna: 808-2200 MHZ Magneto Mount	VBC-822-M-1	800		
Coxs Adapter; SMA Male to TNC Female	PE9078	85		
Aux to Primary (Harpoon to SR) Cable Assy	3186799-101	210		
Aux to Primary (Harpoon to SR II) Cable Assy	3186800-101	180		
General				
Tactical Power Kit	OCTOPUS	20,000	19,000	18,237
OCTOPUS Accessories				
Directional Antenna, Quad Band w/Handle - *Requires P/N PE3377-72 & PE9070	SWAN80183G1W3V3	740		
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101	125		
15' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15	80		
Quad Band Mag Mount Antenex Antenna (SMA)	3174173-102	125		
Antenna: 808-2200MHZ Magneto Mount	VBC-822-M-1	800		
Directional Antenna, Yagi (Cell)	3084617-101	300		
Directional Antenna, Yagi (DCS/PCS)	3084618-101	300		
Directional Antenna, Yagi (GSM)	3084619-101	300		
Directional Antenna, Quad Band w/Handle w/ Attenuator - Requires P/N PE3377-	3120062-101	1,400		
Directional Antenna, Yagi (DCS/PCS) - Pole Mount	Y421812	100		
Directional Antenna, Yagi (GSM) Pole Mount	Y2287A-88	100		
Quad Band Yagi (Wedge) 8ft Cable Included (PE3662-72)	3118894-101	1,300		

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Update: 2/24/10

Version S&L 2010

Description		Price	
SlingRay 2100 MHz B1 Down Converter w/ By Pass (OCONUS)		16,800	18,054
SlingRay 2100 MHz B4 Down Converter w/ By Pass (CONUS)		19,800	18,054
Converter/Accessories			
HA1225-1937	Adapter	210	
Controller/Display/PC			
Laptop PC	2009523	3,500	
Toughbook PC	2009525	2,500	
Rugged Mini-PC	2014069	2,500	
Options/Accessories			
Directional Antenna, Quad Band w/Handle - *Requires P/N PE3377-72 & PE9070	SWAN80183G1W3V3	740	
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101	125	
18' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15	50	
Quad Band Mag Mount Antenex Antenna (SMA)	3174173-102	125	
Antenna; 806-2200MHz Magnetic Mount	YBC-822-M-1	300	
Directional Antenna, Yagi (Cell)	3084617-101	300	
Directional Antenna, Yagi (DCS/PCS)	3084618-101	300	
Directional Antenna, Yagi (GSM)	3084619-101	300	
Directional Antenna, Quad Band w/Handle w/ Attenuator - Requires P/N PE3377-	3120082-101	100	
Directional Antenna, Yagi (DCS/PCS) - Pole Mount	Y421812	100	
Directional Antenna, Yagi (GSM) Pole Mount	Y2287A-66	100	
Quad Band Yagi (Wedge) 6ft Cable Included (PE3682-72)	3118694-101	1300	
Repair			
Repair for all WPG products not covered by warranty. Charges are \$85.00/hr plus REPAIR		TBD	
Maintenance/Repair/Options		Domestic & Int'l	GSA
Maintenance 4W PA Kit	MT-4W	500	
Maintenance 10W PA Kit	MT-10W	500	
Maintenance 25W PA Kit CONUS	MT-25WC	1,500	1,436
Maintenance 25W PA Kit OCONUS	MT-25WO	1,500	1,436
Maintenance AmberJack X	MT-AJX	3,000	2,872
Maintenance AmberJack G	MT-AJG	3,000	2,872
Maintenance AmberJack W	MT-AJW	3,000	2,872
Maintenance Converter Band 1 OCONUS w/ BP	MT-CONV1O	2,700	2,584
Maintenance Converter Band 4 CONUS w/ BP	MT-CONV4C	2,700	2,584
Maintenance Harpoon 2100	MT-HARP21	2,000	1,914
Maintenance Harpoon CONUS	MT-HARPC	2,000	1,914
Maintenance Harpoon IDEN	MT-HARPI	2,000	1,914
Maintenance Harpoon OCONUS	MT-HARPO	2,000	1,914
Maintenance KingFish	MT-KF	4,000	3,828
Maintenance Octopus	MT-OCT	2,700	2,584
Maintenance SlingRay	MT-SR	11,000	10,528
Maintenance SlingRay I	MT-SRII	22,000	21,058
Training/Options/Accessories		Per Description	
Training - Melbourne	TRAIN-MLB	4,000	
Training - Melbourne 1-Day Course	TRAIN-MLB-1	2,500	
Training - Florida	TRAIN-FL	4,000	
Training - East Coast	TRAIN-EC	4,000	
Training - East Coast 1-Day Course	TRAIN-EC-1	2,500	
Training - West Coast	TRAIN-WC	8,000	
Training - West Coast 1-Day Course	TRAIN-WC-1	5,000	

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Version S&L 2010

WPG Product Pricing

Effective Date: 12/7/09
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EFFECTIVE: SEPTEMBER, 2008
HARRIS PROPRIETARY INFORMATION
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**HARRIS GCSD
PRICE LIST**
Effective September 2008
All price quotes are in USD (\$)

This price list supersedes all previous price lists. Prices and products are subject to change without notice. Products are subject to discontinuation without notice.

HARRIS Wireless Products Group
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AmberJack				
MODEL NUMBER	DESCRIPTION	PRICE		
		1 to 15 Units	16+ Units	
AJ-G	The AmberJack-G DF Antenna is a phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations Forward and Reverse in the GSM 900 and 1800 MHz Bands.*	\$ 24,300	\$ 23,100	
AJ-X	The AmberJack-X DF Antenna is a phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations Forward and Reverse in the GSM 800 and 1900 MHz Bands.*	\$ 24,300	\$ 23,100	
AJ-W	The AmberJack-W DF Antenna is a wideband phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations Forward and Reverse in the frequency bands from 800MHz to 2100 MHz*	\$ 36,400	\$ 36,500	
AJ-GUP	AmberJack-G DF Antenna Upgrade. Upgrades the legacy AJ-DF antenna to the AJ-G antenna.	\$ 13,000	\$ 12,400	
AJ-XUP	AmberJack-X DF Antenna Upgrade. Upgrades the legacy AJ-DF antenna to the AJ-X antenna.	\$ 9,000	\$ 8,600	
AJ-WUP	AmberJack-W DF Antenna Upgrade. Upgrades the legacy AJ-DF antenna to the AJ-W antenna.	\$ 18,000	\$ 17,100	
* Requires PC Controller Software for Gossamer Operations.				
AmberJack Accessories		PRICE		
3088596-101	Cable Assembly, DBDF Antenna, Loggerhead (12')	\$	650	
3120038-101	Cable Assembly, DBDF Antenna, LH/Gossamer (12') (To be used in place of the 3088596-101 for both LH and Gossamer)	\$	650	
KCII/1660	Cable Assembly, DBDF Antenna, StingRay (12') - (old PN: 3099547-101)	\$	800	
RE0512HA-2	Carrying Case	\$	890	
DC15A-3J1	Cable Assembly, 3-Way Splitter	\$	170	
47621	Eyebolt, Swivel	\$	34	
3087877-101	Power Cable Internal	\$	73	
47641/94882	Tool, Eyebolt	\$	15	
8834T561	Webbing Assembly, 12ft.	\$	35	
3087882-101	Radome Assembly	\$	1,800	
KCII/1672	Cable Assembly, DBDF Antenna, StingRay (25')	\$	975	
KCII/1684	Cable Assembly, DBDF Antenna, StingRay (5 meters or 16' 4") - (old PN: 3099547-103)	\$	825	
KCII/1696	Cable Assembly, DBDF Antenna, StingRay (50') - (old PN: 3099547-102)	\$	1,000	



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MODEL NUMBER		DESCRIPTION		PRICE	
				1 to 15 Units	16+ Units
STINGRAY		StingRay (4 module) - 1-CH Xmit Interrogation and Direction Finding Transportable Unit.		\$ 75,100	\$ 71,300
SRAY-GSM-SW		StingRay - GSM Software Package		\$ 22,000	\$ 20,900
SRAY-CDMA-SW		StingRay - CDMA Software Package		\$ 22,000	\$ 20,900
SRAY-IDEN-SW		StingRay - IDEN Software Package		\$ 22,000	\$ 20,900
SRAY-UMTS-SW		StingRay - UMTS Software Package		N/C	N/C
SRAY-GSM-SW-INTCP		StingRay -- GSM Intercept Software Package without S/C		\$ 27,400	\$ 26,000
SRAY-GSM-SW-INTCP-SC		StingRay -- GSM Intercept Software Package with S/C (Restricted Sales only Federal Customer)		\$ 50,000	\$ 25,000
UMTS-B1-CONV		StingRay 2100/1900MHz Down Converter		\$ 16,000	\$ 15,200
UMTS-B4-CONV		StingRay 2100/1700MHz Down Converter		\$ 16,000	\$ 15,200
AIRBRN-KIT-CONUS		Airborne DF Kit CONUS		\$ 9,000	\$ 8,550
StingRay II					
STINGRAY II		StingRay II - 4-CH Multi-Xmit Interrogation and Direction Finding Transportable Unit.		\$ 148,000	\$ 140,600
STINGRAY II-UP		StingRay II - StingRay to StingRay II Upgrade		\$ 65,000	\$ 61,800
SRAY II-GSM-SW		StingRay - GSM Software Package		\$ 22,000	\$ 20,900
SRAY II-CDMA-SW		StingRay - CDMA Software Package		\$ 22,000	\$ 20,900
SRAY II-IDEN-SW		StingRay - IDEN Software Package		\$ 22,000	\$ 20,900
SRAY II-GSM-SW-INTCP		StingRay - GSM Intercept Software Package		\$ 27,400	\$ 26,000
SRAY II-GSM-SW-INTCP-SC		StingRay -- GSM Intercept Software Package with S/C (Restricted Sales only Federal Customer)		\$ 50,000	\$ 25,000
SRAY II-UMTS-SW		StingRay - UMTS Software Package		N/C	N/C
StingRay Accessories		PRICE			
3092524-102		Cable Assembly PC/USB - 6' Cable		\$ 196	
3092524-103		Cable Assembly PC/USB - 12' Cable		\$ 220	
3092525-101		Cable DC Power		\$ 171	
RE1017HA		Carrying Case		\$ 925	
17250		115V Power Cord		\$ 8	
2009523-101		Laptop PC Controller (Dell Latitude D630)		\$ 3,500	
2009525-101		Panasonic Toughbook Computer		\$ 6,500	
DE2035-803		Adapter, DC (Laptop) (non-Charging)		\$ 226	
2009523-003		Mouse, CMPTR (Micro Trac)		\$ 50	
2009523-002		Auto Power Adapter (8500 & D600)		\$ 128	
OSMM-SA-20		Mobile Mast 20'		\$ 2,990	
PE3665-144		12' Extension Cable (TNC to N)		\$ 80	
PE3414-144		12' Extension Cable (TNC to TNC)		\$ 85	
PE9131		N-F to TNC-F Adapter		\$ 48	
PE9099		TNC-F to TNC-F Adapter		\$ 28	
PE9090		N-M to TNC-F Adapter		\$ 30	
PE9089		N-F to TNC-M Adapter		\$ 28	

HARRIS Wireless Products Group
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<i>StingRay Accessories continued...</i>		PRICE
Y2287A-66	Directional Antenna, Yagi (GSM) Pole Mount	\$ 100
FPPA-400	Field Portable Power Adapter (Military Vehicles)	\$ 2,900
FPPS-375	Field Portable Power Source (Battery Pack)	\$ 1,700
FPACPS	Field Portable AC Power Source	\$ 900
3092527-201	SDR Radio Slice	\$ 15,000
3092577-101	DC-DC Power Supply Module (SR & KF)	\$ 1,400
WSA-00045	Duplex Filter (AMPS/PCS) Stand Alone	\$ 1,970
WSA-00100	Duplex Filter (EGSM/DCS) Stand Alone	\$ 2,310
3174373-101	Quad Band Mag Mount Antenex Antenna (TNC)	\$ 125



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MODEL NUMBER	DESCRIPTION	PRICE	
		1 to 15 Units	16+ Units
KINGFISH	KingFish - Man Portable Interrogation and Direction Finding Unit for the CDMA waveform	\$ 27,800	\$ 26,400
KF-GSM-SW	KingFish - GSM Software Package	\$ 18,100	\$ 17,200
KF-CDMA-SW	KingFish - CDMA Software Package	\$ 18,100	\$ 17,200
KF-IDEN-SW	KingFish - IDEN Software Package	\$ 18,100	\$ 17,200
KF-UMTS-SW	KingFish - UMTS Software Package	N/C	N/C
<u>KingFish Accessories</u>		<u>PRICE</u>	
3100242-101	Tote Bag Assembly	\$ 570	
RE0513HA	Carrying Case, KingFish	\$ 950	
3092524-102	Cable Assembly, W102 (PC USB Type A) 6' cable	\$ 190	
3092525-101	Cable DC Power	\$ 171	
2014068-101	Battery Pack (11.1V)	\$ 256	
2014068-102	Lithium-Ion Battery Charger	\$ 426	
VA2524	Battery, Adapter, Lighter (24V, 1.5A)	\$ 140	
ACHA-12501	Power Supply (12V, 5A)	\$ 190	
3118694-201	Quad Band Yagi (Wedge) including 6ft cable (PE 3076-72)	\$ 1,300	
PE3076-72	Cable Assembly, RF (SMA-M to RTANGM-M) 6'	\$ 104	
PE3076-144	Cable Assembly, RF (SMA-M to RTANGM-M) 12'	\$ 108	
2014620-001	Antenna Device, Wave, PC9/Cell (Green)	\$ 22	
2014628-001	Antenna, 4 Wave (2.4 GHz) (Bluetooth)	\$ 18	
2014629-002	Antenna Device, Wave, GSM (Orange)	\$ 22	
3100242-103	Backpack Carrying Case Custom (Blue)	\$ 660	
3100242-104	Backpack Carrying Case Custom (Army Digi-Camo)	\$ 660	
3174173-102	Quad Band Mag Mount Antenex Antenna (SMA)	\$ 125	



EFFECTIVE: SEPTEMBER, 2008
HARRIS PROPRIETARY INFORMATION
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MODEL NUMBER	DESCRIPTION	PRICE
2009523-101	Laptop PC Controller (Dell Latitude D630)	\$ 3,500
2015631-101	Mini PC Controller (OQO)	\$ 3,200
2014069-101	Rugged Mini PC Controller (GD Go Book)	\$ 4,900
3084625-101	Laptop Computer, Lightweight, Low Power, 12" Screen	\$ 3,000
2009525-101	Panasonic Toughbook Computer	\$ 6,500
PC Controller Accessories		PRICE
3058870-101	Serial Cable	\$ 40
2009523-003	Mouse, CMPTR (Micro Trac)	\$ 50
2009523-002	Auto Power Adapter (8500 & D600)	\$ 128

MODEL NUMBER	DESCRIPTION	PRICE	
		1 to 15 Units	16+ Units
PA-KIT-30W IDEN 800	High Powered Filtered 30W PA Kit - Single Band IDEN 800	\$ 14,000	\$ 13,300
PA-KIT-30W 2100	High Powered Filtered 30W PA Kit - Single Band UMTS 2100	\$ 16,000	\$ 15,200
PA-KIT-30W Dual-Band 850/1900	High Powered Filtered 30W PA Kit - Dual Band 850/1900	\$ 16,600	\$ 16,600
PA-KIT-30W Dual-Band OCONUS	High Powered Filtered 30W PA Kit - Dual Band 900/1800	\$ 17,500	\$ 16,600
3184472-101	Harpoon Diplexer Kit (Use w/SR I)	\$ 650	\$ 650
Need Mag Mount Antenna Specified			

MODEL NUMBER	DESCRIPTION	PRICE	
		1 to 15 Units	16+ Units
CONV-2100/1900	UMTS Band IV - AWS Converter	\$ 15,000	\$ 15,200
CONV-2100/1900	UMTS Band I Converter	\$ 16,000	\$ 15,200

ATTACHMENT B

U.S. Postal Service	
CERTIFIED MAIL RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$ 208
Certified Fee	285
Return Receipt Fee (Endorsement Required)	230
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.23
500	
Postmark Here	
Sent To: Federal Bureau of Investigation	
Street, Apt. No., or PO Box No. 935 Pennsylvania Ave., N.W.	
City, State, ZIP+4 Washington, DC 20525	
PS Form 3811, August 2004 See Reverse for Instructions	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		A. Signature X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Chief of Record Section, FOIA Request Records Management Division Federal Bureau of Investigation Department of Justice 935 Pennsylvania Ave., N.W. Washington, DC 20525-001		B. Received by (Printed Name) D.W. JONES C. Date of Delivery 1/7/2011	
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:	
		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input checked="" type="checkbox"/> Yes	
2. Article Number (Transfer from service label) 7007 0710 0004 3772 8555			
PS Form 3811, February 2004		Domestic Return Receipt 102595-02-M-1640	

ATTACHMENT C

DECLARATION UNDER PENALTY OF PERJURY

RE: Daniel Rigmaiden has no commercial interest in the records requested via FBI FOIA request, certified return receipt article No. 7007 0710 0004 3772 8555;

BY: Daniel David Rigmaiden

I, Daniel David Rigmaiden, declare the following:

1. This declaration establishes that my interests in the records requested via FBI FOIA request letter, certified return receipt article No. 7007 0710 0004 3772 8555, are not in my commercial interest. In my original FOIA request letter I stated that "the records requested are not sought for a commercial purpose and I plan to disseminate the responsive material to the public at no cost." *Id.*, p. 7. I also "certif[ied] as true and correct to the best of my knowledge and belief that I have a compelling need for expedited processing and that the requested records are not for commercial purposes." *Id.*, p. 8.

2. My primary purpose for seeking the records requested in the FBI FOIA request is to obtain evidence for my defense in United States v. Rigmaiden, CR08-814-PHX-DGC, pending in the District of Arizona. I am representing myself in CR08-814-PHX-DGC and I need the requested records to use as evidence in support of a motion to suppress evidence currently due April 27, 2012. *See* D.Ariz., CR08-814-PHX-DGC, Dkt. #768 (Court order indicating that motion to suppress due on April 27, 2012). I have absolutely no plans to profit from the requested records and they will all be disseminated to the public via the public record in CR08-814-PHX-DGC.

3. In order to advance public understanding, the requested documents will also be given to my contacts at (1) the American Civil Liberties Union of Northern California (Linda Lye, Staff Attorney) (2) the American Civil Liberties Union of Arizona (Daniel Pochoda, Staff Attorney) and (3) the Electronic Frontier Foundation (Kevin Bankston, Senior Staff Attorney)—all nonprofit entities who have a history of notifying the public about illegal government

DECLARATION UNDER PENALTY OF PERJURY

RE: Daniel Rigmaiden has no commercial interest in the records requested via FBI FOIA request, certified return receipt article No. 7007 0710 0004 3772 8555;

BY: Daniel David Rigmaiden

conduct at no cost. I will also forward all records to Jennifer Valentino-DeVries at The Wall Street Journal as they have taken an interest in notifying the public about the specific type of illegal government conduct discussed in the FBI FOIA request. Although The Wall Street Journal is a for-profit newspaper, previous news articles published about CR08-814-PHX-DGC and the government's use of the Harris StingRay were freely disseminated on the Internet by The Wall Street Journal. *See* FBI FOIA request letter, certified return receipt article No. 7007 0710 0004 3772 8555. I will not charge anyone for the documents I am requesting via the FBI FOIA request.

4. Although I plan on providing the requested documents to various entities, I am not requesting records on behalf of anyone other than myself. I am not associated with any of the above entities and they are not aware of my specific FOIA request. My primary interest is to obtain evidence for my self-represented defense in CR08-814-PHX-DGC.

5. I have neither the resources nor the means to profit from any records provided in response to the FBI FOIA request. I am currently incarcerated awaiting trial on CR08-814-PHX-DGC and am not permitted to conduct commercial activities from within the facility where I am housed: Corrections Corporation of America, Central Arizona Detention Center.

6. I declare, certify, verify, and state under penalty of perjury under the laws of the United States of America that the foregoing is true and correct to the best of my knowledge, except as to those matters which are therein stated on information and belief, and, as to those matters, I believe it to be true. *See* 28 U.S.C. § 1746 ("Wherever... any matter is required or permitted to be supported, evidenced, established, or proved by the sworn... affidavit, in writing

DECLARATION UNDER PENALTY OF PERJURY

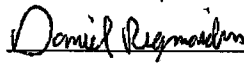
RE: Daniel Rigmaiden has no commercial interest in the records requested via FBI FOIA request, certified return receipt article No. 7007 0710 0004 3772 8555;

BY: Daniel David Rigmaiden

of the person making the same [], such matter may, with like force and effect, be supported, evidenced, established, or proved by the unsworn declaration..., in writing of such person which is subscribed by him, as true under penalty of perjury, and dated..."); 18 U.S.C. § 1621 ("Whoever... in any declaration... under penalty of perjury as permitted under section 1746 of title 28, United States Code, willfully subscribes as true any material matter which he does not believe to be true... is guilty of perjury and shall, except as otherwise expressly provided by law, be fined under this title or imprisoned not more than five years, or both....").

Executed on February 22, 2012, in Florence, Arizona, United States of America.

Daniel David Rigmaiden



Daniel Rigmaiden
Agency # 10966111
~~CCA-CADC~~
PO Box 6300
Florence, AZ 85132